



THE CITY OF SAN DIEGO

# North City Water Reclamation Plant

## Annual Monitoring Report 2004

(SDRWQCB Order Number 97-03)



**Certified  
ISO 14001**

Environmental Monitoring and Technical Services  
Metropolitan Wastewater Department  
4918 N. Harbor Drive Mail Station 45A San Diego, CA 92106  
Tel (619) 758-2310 Fax (619) 758-2309

January 28, 2005

Mr. John Robertus, Executive Officer  
California Regional Water Quality Control Board,  
San Diego Region  
9174 Sky Park Court, Suite 100  
San Diego, CA 92123

Attn: Ground Water Unit

Dear Mr. Robertus:

Enclosed is the Annual Monitoring report for 2004 for the City of San Diego North City Water Reclamation Plant, as is specified in Monitoring and Reporting Program No. 97-03 for the production and purveyance of reclaimed water.

In addition, results of analyses performed on North City samples, as part of the Metropolitan Wastewater system-wide Quarterly Sludge Project, a portion of the City's Pretreatment Program, have also been included.

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Mr. John Robertus, Executive Officer

January 28, 2005

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

ALAN C. LANGWORTHY

Deputy Director

Environmental Monitoring & Technical Services Division

WFK/tmb

cc: Scott Tulloch  
Robert Ferrier  
EPA Region 9  
San Diego County Department of Environmental Health,  
Hazardous Materials Division  
San Diego County Department of Environmental Health,  
Land Use Division  
Distribution  
File

**INTRODUCTION:**

The purpose of this document is to both meet the requirements of Monitoring and Reporting Program and to provide a reference source and resource tools for both regulatory agencies and City staff and their consultants. To this, end the past year's data is presented in tabular and graphical form. To make this document more useful we have included information on the operational data, background analyses and process control information.

The source point of samples for monitoring and determining compliance for the reclaimed water was changed<sup>1</sup> to the source identified as "N34-REC WATER" from the source point, "N30-DFE" (disinfected final effluent), used in previous years. The N30-DFE and other data are included in this report

**Notes on data conventions and analyses:**

It should be noted that for averaging purposes "less than" and "not detected" (nd) values were treated as zeros. In many parts of the report zero values are found. Our computer system reads "less than" values as zero for summaries, as well as in computing averages. In those areas where zeros are found the reader can find appropriate Method Detection Limit (MDL) in the table of data. Because "less than" values are averaged as zero a number of the summary table values are lower than the detection limits.

The data tables may also contain values expressed as a <X (less than) with some number X. For example, the Diazinon value for PLE on March 10, 1998 (in the table below) is reported as <2.4 ug/L (see the below table); this indicates that one or more, of two or more, determinations was above the MDL, while the average was below the MDL. This value is still treated as a zero for averaging and other summary calculations. Note also, that sub-totals and totals consisting of multiple analytes (see below) are also reported as "<X", where the "X" value is the highest MDL for the particular group of analytes. This has the same significance as a "ND" or not detected.

Organophosphorus Pesticides

	MDL	Units	PLE		PLR		PLR	
			10-MAR-1998 0311980006	27-APR-1998 0428980006	10-SEP-1998 9809107494	10-MAR-1998 0311980007	27-APR-1998 0428980007	10-SEP-1998 9809107515
Demeton O	1.69	UG/L	ND	ND	ND	ND	ND	ND
Demeton S	1.82	UG/L	ND	ND	ND	ND	ND	ND
Diazinon	2.41	UG/L	<2.4	ND	ND	<2.4	ND	ND
Guthion	7.1	UG/L	ND	ND	ND	ND	ND	ND
Malathion	2.98	UG/L	ND	ND	ND	ND	ND	ND
Parathion	2.83	UG/L	ND	ND	ND	ND	ND	ND
Thiophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
Demeton -O, -S			<1.8	<0.2	<0.2	<1.8	<0.2	<0.2
Total Organophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1

A further limitation, that the user of this data should note, is that confidence in the results of an analysis is heavily dependent upon the concentration relative to the Method Detection Limit (MDL). For the most part our detection limits have been established using the procedure in 40 CFR, part 136. This statistical basis for the MDL results in a defined statistical confidence (at the 99% Confidence Interval) of essentially " 100% of the result at or near the MDL. Only at concentrations approximately 5 times the MDL is the confidence interval at " 20% relative. While the precision of our methods generally ranges from 2-3 significant figures, the above limitations of confidence should always be considered.

<sup>1</sup> as stipulated in SDRWQCB "Receipt of Monitoring Reports for Order No. 97-03, dated January 11, 2002.

## DISCUSSION:

### Plant Changes

During the end of October and most of November of 2004 the plant was shut down and two additional Electro Dialysis Reversal (EDR) units, used to demineralize tertiary treated water, were added to the plant. This increased the capacity for the production of reclaimed water with a total dissolved solids (TDS) concentration of less than 1000 ug/L to about 15 MGC. In addition, the weir that separated the wet well that had held disinfected final effluent (DFE), that is tertiary treated effluent that was used for in-plant utility water, and the wet well that contained reclaimed water (DFE that was partially demineralized) was lowered to the level of the original design. This effectively created one large, blended wetwell and has eliminated the distinction between reclaimed and utility water, and eliminated the sample site for DFE. The old set-up is shown in the plant schematic on page 9, and the new on the schematic on page 10.

### Compliance Issues

The only compliance issue this year has been the moving average limit for the concentration of manganese of 50 ug/L was exceeded from August through December. The manganese concentration in the reclaimed water jumped to over a hundred ug/L in June and remained over a hundred through October. The plant was off line in November. The concentration in December was at 65 ug/L. Discussions with Operations have not led to a correlation with plant conditions so far, however the problem corresponds to the time period when ferrous chloride was used for odor control at the Penasquitos Pump Station that feeds one of the two influent lines into the treatment plant. Ferrous chloride was fed from the end of May (after the date samples for May were taken). In November the plant was shut down, and in December the flow was rerouted past the Penasquitos Pump Station so maintenance could be done. That rerouting coincided with the drop in manganese in the reclaimed water. Operations has felt that the ferrous chloride use may have caused some of their red water issues in the plant, and are looking at adjusting feed rates at the pump station to minimize this. Analysis of both ferric and ferrous chloride have shown manganese as a significant component, when one is concerned about parts per billion issues. Analysis of the ferrous chloride solution in October showed the manganese concentration to be 799,000 ug/L. The concentration of manganese in the Penasquitos line during its period of use, June through October, was about double ( in the 200s) what it was before that. Although the main influent line, from Pump Station 64, into the North City Water Reclamation Plant has consistently had a manganese concentration of over 200 ug/L the form the manganese is in (oxidation state) may be more treatable. Confirmation that this may be the source of the problem will come in the next few months, since the feed of ferrous chloride as an odor control chemical has been suspended in mid January because the colder weather and higher winter flows have reduced the need for it.

As the problem is further defined and solutions attempted, one must keep in mind that the manganese limit of 50 ug/L is a "secondary" standard based on aesthetics (color) and not health. Indeed it is an essential mineral that is included in daily vitamin supplements at concentrations around 2500 ug.

Laboratories Contributing Results used in this report.

Metropolitan Wastewater Chemistry Laboratory  
(EPA Lab Code: CA00380,  
ELAP Certificate: 1609)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3205  
**All results except those listed below.**

Point Loma Wastewater Chemistry Laboratory  
(EPA Lab Code: CA01435,  
ELAP Certificate: 2474)  
1902 Gatchell Road  
San Diego, CA 92106  
(619)221-8765

**Process control analyses and wet methods  
for the plant.**

North City Wastewater Chemistry Laboratory  
(EPA Lab Code: CA01436,  
ELAP Certificate: 2477)  
4949 Eastgate Mall  
San Diego, CA 92121  
(858)824-6009

**Process control analyses and wet methods  
for the plant.**

Metro Biosolids Center Chemistry Laboratory  
(EPA Lab Code: CA01437,  
ELAP Certificate: 2478)  
5240 Convoy Street  
San Diego, CA 92111  
(858)614-5834

**Process control analyses and wet methods  
for the plant.**

City of San Diego - Water Quality Laboratory  
(EPA Lab Code: CA00080,  
ELAP Certificate: 1058)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3237  
**Total Organic Carbon in Wastewater**

City of San Diego - Marine Microbiology and  
Vector Management (EPA LabCode: CA01393,  
ELAP Certificate: 2185)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3226  
**Microbiology**

Pacific Analytical, Inc.  
(EPA Lab Code: CA00052,  
ELAP Certificate: 1466)  
6349 Paseo Del Lago  
Carlsbad, CA 92009  
(760)438-3100  
**Dioxins/Furans**

Truesdail Laboratories, Inc. (EPA Lab Code:  
CA09469, ELAP Certificate: 1237)  
14201 Franklin Ave.  
Tustin, CA 92780-7008  
(714)730-6239  
**Gross Alpha/Beta Radioactivity**

Graphs:

Graphs of monthly averages show the arithmetic mean of the determinations made in the calendar month without weighting for variation in frequency or number of determinations. If the mean is less than the MDL (i.e. 'nd' or '<X'), the expressed graphical value is zero (0).

Terms:

North City Water Reclamation Plant Source Codes

N01 PS_INF	Pump Station 64 Influent
N01-PEN	Penasquitos Influent Pump Station
N10 EFF	Primary Effluent
N15 AE	Aeration Effluent
N15 AB5 NOX1	Aeration Basin #5 Anoxic Zone #1
N15 AB5 NOX3	Aeration Basin #5 Anoxic Zone #3
N15 AB5 AER4	Aeration Basin #5 Aerobic Zone #4
N15 WAS LCP	Waste Activated Sludge LCP
N20 SE	Secondary Effluent
N20 RAS	COMB Return Activated Sludge Pumps Combined
N30 DFE	Disinfected Final Effluent, upstream of EDR Units
N34 REC WATER	Compliance point . Reclaimed water distributed to customers, downstream of EDR unit.
N25 FES	Filter Effluent Structure

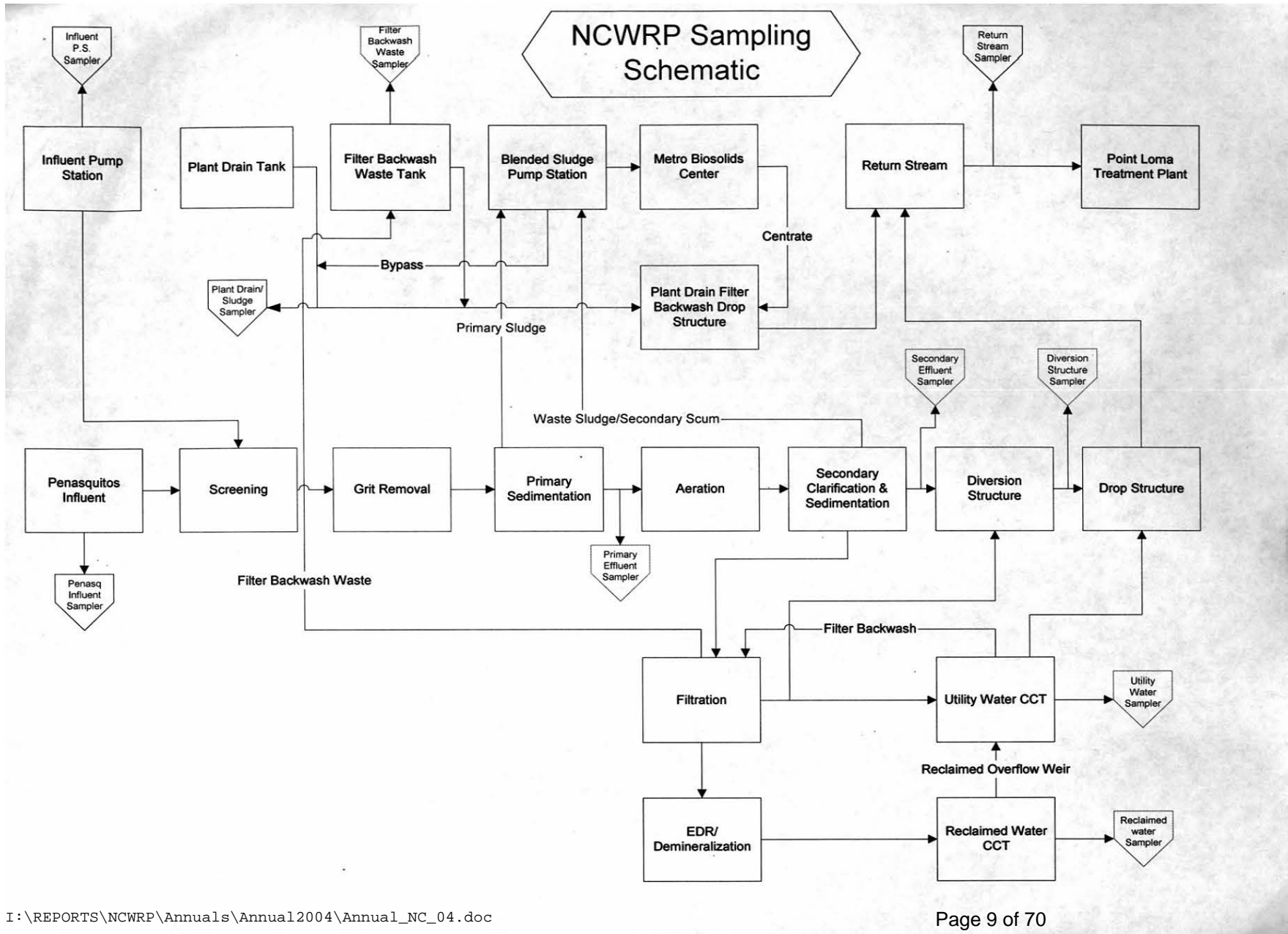
The following lists all Wastewater Treatment Plant Operators working for the NCWRP of the Metropolitan Wastewater Department and their California State certification status as of March 2004. Name, Certification Grade, Certification Number, and expiration date are shown for each operator. The listing is by facility and classification.

## **North City Water Reclamation Plant**

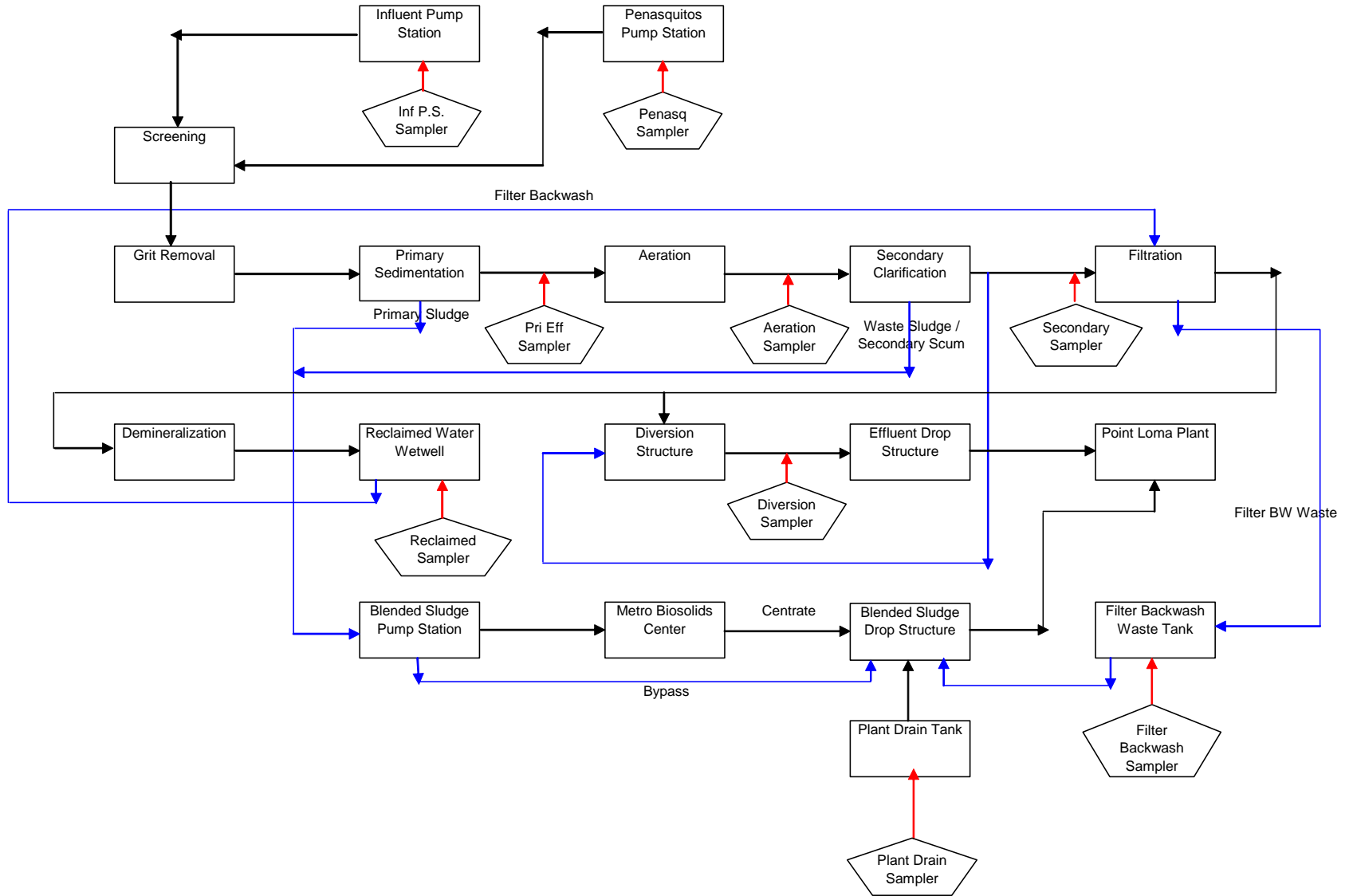
<u>Name</u>	<u>Grade</u>	<u>Cert. No.</u>	<u>Expiration Date</u>
<u>Plant Superintendent:</u>			
Roe, Michael	V	6298	06/30/2004
<u>North City Sr. Operations Supervisor</u>			
Pruett, Sam	V	7791	06/30/2005
<u>Operations Supervisors</u>			
Cozad, John	III	7139	12/31/2005
Nunez, Carlos	III	7627	06/30/2004
Blumer, Bruce	III	9347	12/31/2004
Hill, Adrian	V	7601	06/30/2004
Featherston, Robert	III	7534	06/30/2005
<u>Operators,</u>			
Moore, Terry	III	2309	12/31/2005
Gipson, Bernie	II	5385	06/30/2005
Rountree, Judith	II	5451	06/30/2004
Williams, Wesley	II	5932	06/30/2005
Todd, Terry	III	9833	06/30/2005
Hill, Cardell	II	4041	06/30/2005
<u>Process Control Sr. Supervisor</u>			
Stoecker, Andrew	V	8310	12/31/2005
<u>Process Control Supervisors</u>			
Jewell, Dennis	V	4813	12/31/2004
Relph, Rob	III	6742	12/31/2004
<u>Process Control</u>			
Pitchford, Richard	V	9851	06/30/2005
Williams, Willie	II	8418	06/30/2005



# Sampling schematic previous to plant reconfiguration



# NCWRP Sampling Schematic



North City Water Reclamation Plant  
Monthly Totals  
2004

Month	(MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Plant Utility Water (MGD)	Reclaim Water (MGD)	Filter Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Sludge Flow to MBC (MGD)
01	255.8	447.7	87.0	17.6	44.5	252.20	693.24	17.64	1.59	13.98	4.76	12.96
02	245.2	415.9	28.7	15.1	33.9	237.13	652.68	16.63	.00	13.03	2.89	34.73
03	264.0	445.8	27.8	16.8	50.4	205.45	697.71	18.02	.00	14.80	3.99	39.90
04	244.8	435.7	21.4	14.9	65.4	213.62	669.61	17.41	.00	14.12	5.00	38.49
05	253.8	460.6	27.0	26.3	98.2	277.54	688.99	18.06	.00	14.46	5.37	37.82
06	197.0	471.5	27.4	29.7	98.6	315.19	668.00	17.03	.00	12.53	5.00	35.29
07	204.8	491.7	32.9	34.3	98.4	346.22	695.67	17.56	.12	12.21	5.95	37.01
08	205.2	470.2	36.9	35.2	88.2	311.34	685.22	17.49	.01	12.36	4.44	35.60
09	143.7	507.6	33.5	32.2	72.6	247.69	656.84	17.71	.12	11.86	5.22	33.78
10	70.0	644.3	43.6	21.5	54.2	264.52	720.85	18.29	.10	13.40	7.10	34.19
11	137.3	581.0	54.2	2.9	.0	25.31	700.21	17.75	.00	9.99	.26	34.54
12	93.9	644.2	58.1	21.4	55.9	139.01	731.40	17.57	.01	13.61	5.88	35.81
Average	193.0	501.3	39.9	22.3	63.4	236.27	688.37	17.60	.16	13.03	4.66	34.18
Total	2315.5	6016.2	478.4	267.7	760.3	2835.22	8260.42	211.16	1.95	156.35	55.86	410.12

North City Water Reclamation Plant  
Daily Averages  
2004

Month	(MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Plant Utility Water (MGD)	Reclaim Water (MGD)	Filter Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Sludge Flow to MBC (MGD)
01	8.3	14.4	2.8	.6	1.4	8.14	22.36	.57	.05	.45	.15	.42
02	8.5	14.3	1.0	.5	1.2	8.18	22.51	.57	.00	.45	.10	1.20
03	8.5	14.4	.9	.5	1.6	6.63	22.51	.58	.00	.48	.13	1.29
04	8.2	14.5	.7	.5	2.2	7.12	22.32	.58	.00	.47	.17	1.28
05	8.2	14.9	.9	.8	3.2	8.95	22.23	.58	.00	.47	.17	1.22
06	6.6	15.7	.9	1.0	3.3	10.51	22.27	.57	.00	.42	.17	1.18
07	6.6	15.9	1.1	1.1	3.2	11.17	22.44	.57	.00	.39	.19	1.19
08	6.6	15.2	1.2	1.1	2.8	10.04	22.10	.56	.00	.40	.14	1.15
09	4.8	16.9	1.1	1.1	2.4	8.26	21.89	.59	.00	.40	.17	1.13
10	2.3	20.8	1.4	.7	1.7	8.53	23.25	.59	.00	.43	.23	1.10
11	4.6	19.4	1.8	.1	.0	.84	23.34	.59	.00	.33	.01	1.15
12	3.0	20.8	1.9	.7	1.8	4.48	23.59	.57	.00	.44	.19	1.16
Average	6.3	16.4	1.3	.7	2.1	7.74	22.57	.58	.01	.43	.15	1.12

<b>North City Water Reclamation Plant</b>			
<b>(N34-REC WATER) Recycled Water Chlorine Report</b>			
<b>N34-REC WATER is compliance point for reclaimed water</b>			
	Minimum Daily <sup>1</sup>	Maximum Daily <sup>2</sup>	Time Over <sup>3</sup>
Operations 2004	Chlorine Residual	Chlorine Residual	CT less than
Date	(mg/L)	(mg/L)	450 mg-min/l (min)
Jan	1.68	16.95	0
Feb	4.71	13.61	0
Mar	3.58	10.9	0
Apr	1.39	11.92	0
May	1.84	16.19	0
Jun	2.54	19.06	0
Jul	1.8	19.63	216*
Aug	1.01	19.48	156*
Sep	1.55	13.9	334**
Oct	1.64	19.74	0
Nov	1.45	17.58	0
Dec	2.5	19.96	0
		Total:	706
1 Minimum Daily value is the smallest recorded for the month.			
2 Maximum Daily value is the largest recorded value for the month.			
3 Total time for the month.			
* On Days of Cl2 CT < 45 mg-min/l and residual is <5 mg/l DCS interlock actuates, preventing discharge of non-compliant water.			
** On 9/27 the pump for the reclaimed chlorine analyzer failed no Reclaimed water was pumped during this time.			

**North City Water Reclamation Plant  
Recycled Water Coliform Report**

Operations 2004 Date	Tot. Coliform (7-day median) (MPN)
Jan	<2
Feb	<2
Mar	<2
Apr	<2
May	<2
Jun	<2
Jul	<2
Aug	<2
Sep	<2
Oct	<2
Nov	<2
Dec	<2

<b>North City Water Reclamation Plant</b>				
<b>Recycled Water Turbidity Report</b>				
Data from in-plant meter <sup>4</sup>				
	Average Daily	Minimum Daily <sup>1</sup>	Maximum Daily <sup>2</sup>	Time Over <sup>3</sup>
Operations 2004	Turbidity	Turbidity	Turbidity	5 NTU's
Date	(NTU)	(NTU)	(NTU)	(MINUTES)
Jan	1.31	0.37	9.44	12.03***
Feb	1.35	0.54	2.98	0
Mar	1.18	0.27	9.6	1.88***
Apr	1.25	0.02	9.67	29.11*
May	0.94	0.05	3.16	0
Jun	0.63	0.31	2.97	0
Jul	0.81	0.05	2.1	0
Aug	0.77	0.13	3.25	0
Sep	0.99	0.41	9.67	317.04**
Oct	0.83	0.0	2.58	0
Nov	0.37	0.15	0.87	0
Dec	0.56	0.12	1.88	0
<b>Average:</b>	<b>0.92</b>		<b>Total:</b>	<b>360.06</b>
1 Minimum Daily value is the smallest recorded for the month.				
2 Maximum Daily value is the largest recorded value for the month.				
3 Total time for the month.				
4 Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25A11673), located at meter room of Area 25 (Tertiary Filter Structures)				
* The plant was shut down from April 19, 2004 for planned maintenance of the Utility Water and Reclaimed Water wetwells. No effluent pumping from 0222 hr. on April 19 thru 0900 hr. on April 26, 2004.				
** High turbidity on 9/10/04 was due to work on substation 64 down for maintenance. During times of high turbidity no reclaimed water was distributed. On 9/21/04 plant was offline for work on bar screens.				
**** On days of turbidity over 2 ntu interlock actuates, preventing discharge of non-compliant water.				

North City Water Reclamation Plant  
Annual Monitoring Report

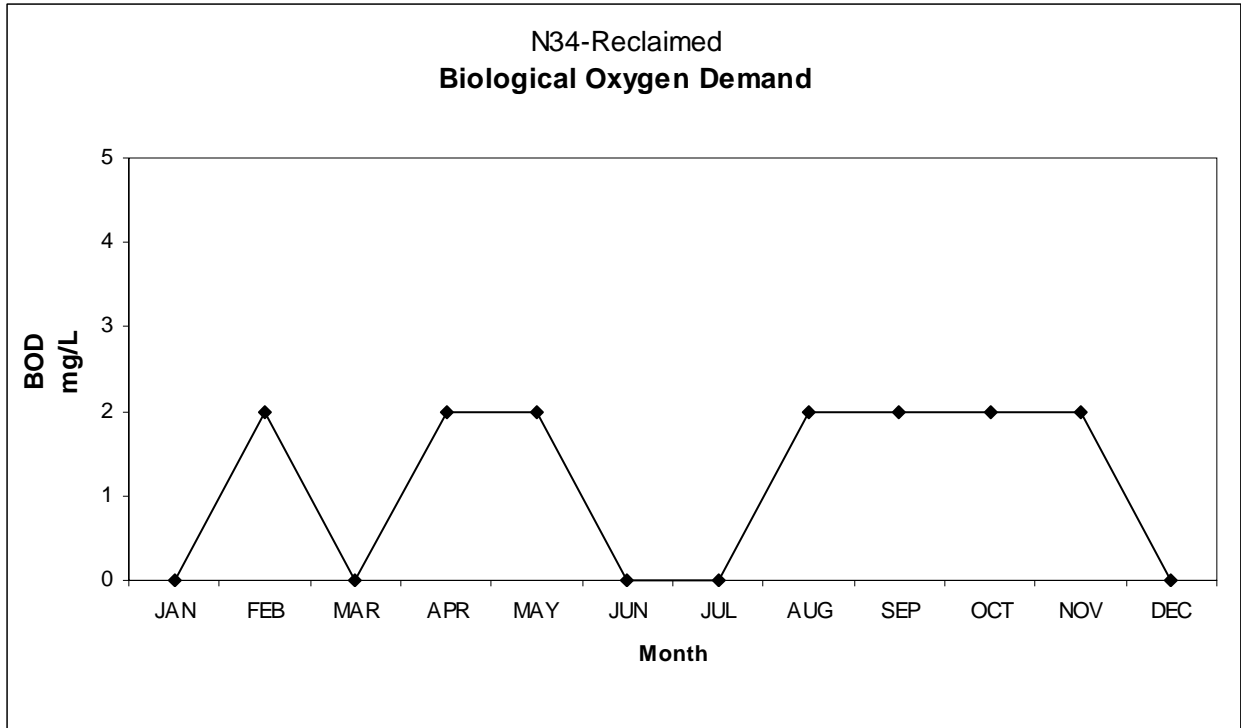
2004

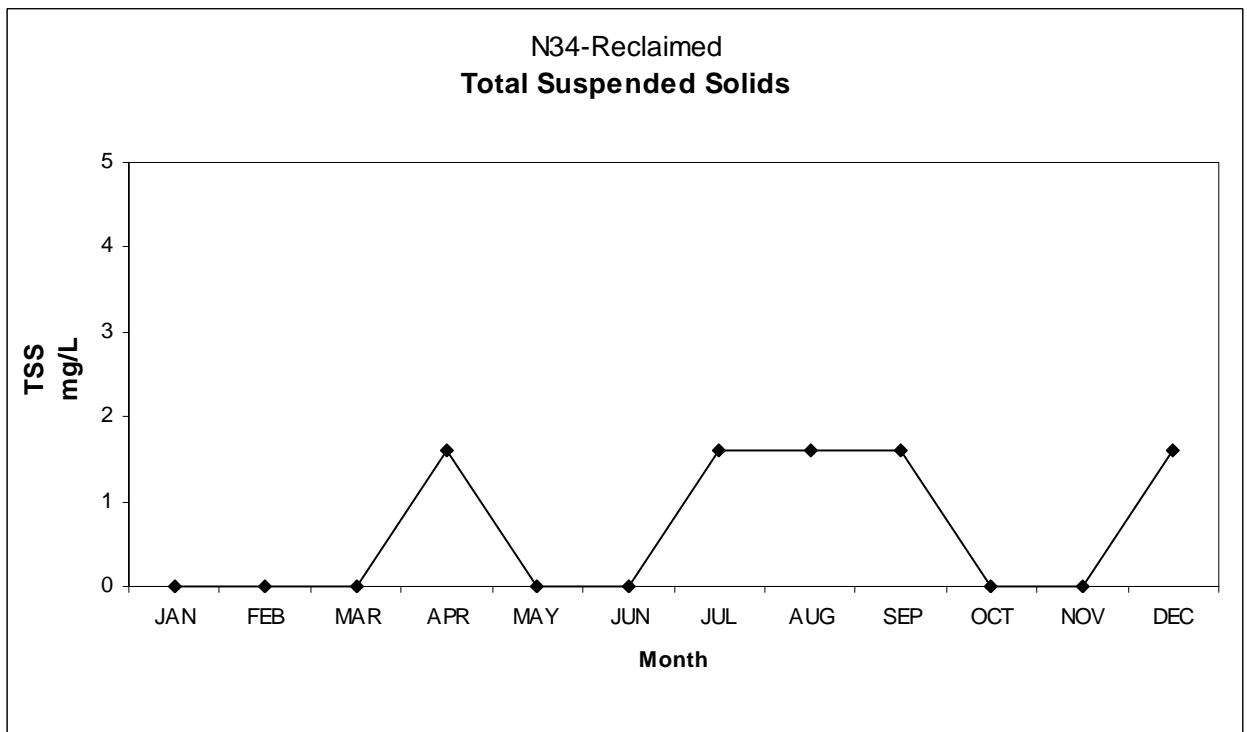
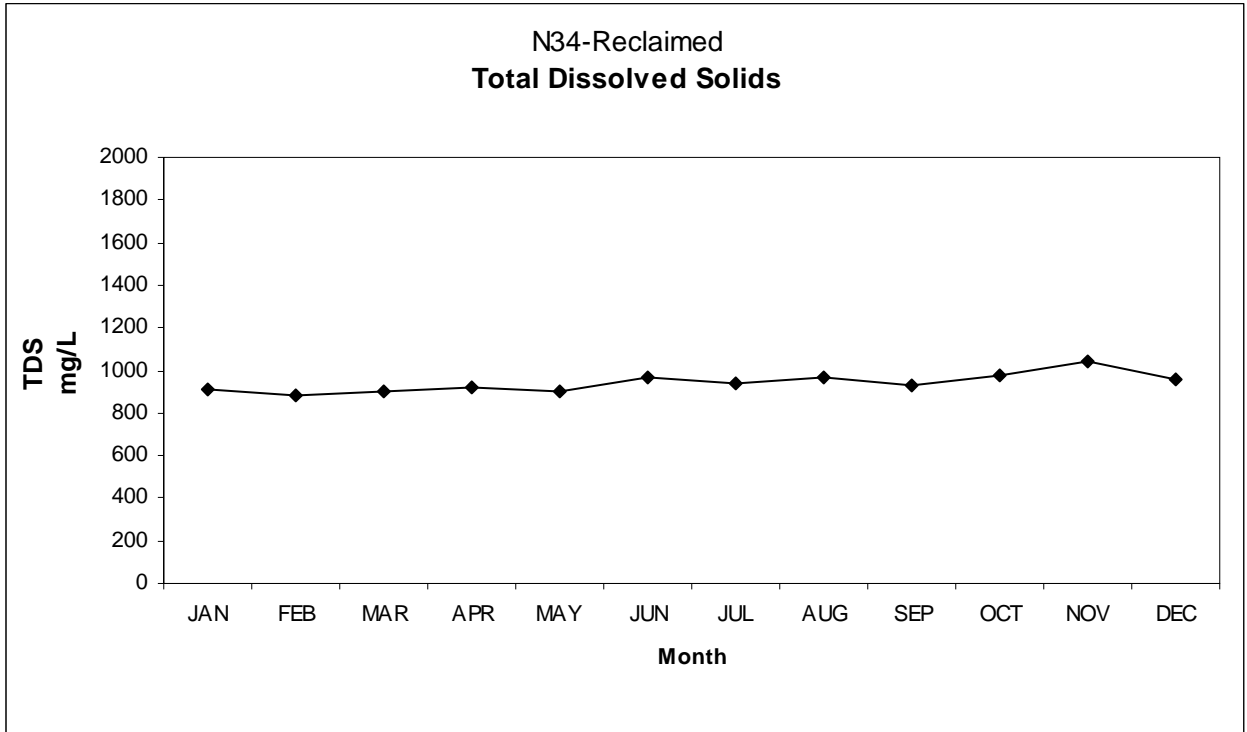
Sampled by: North City Operators  
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

**N34-Reclaimed Water**

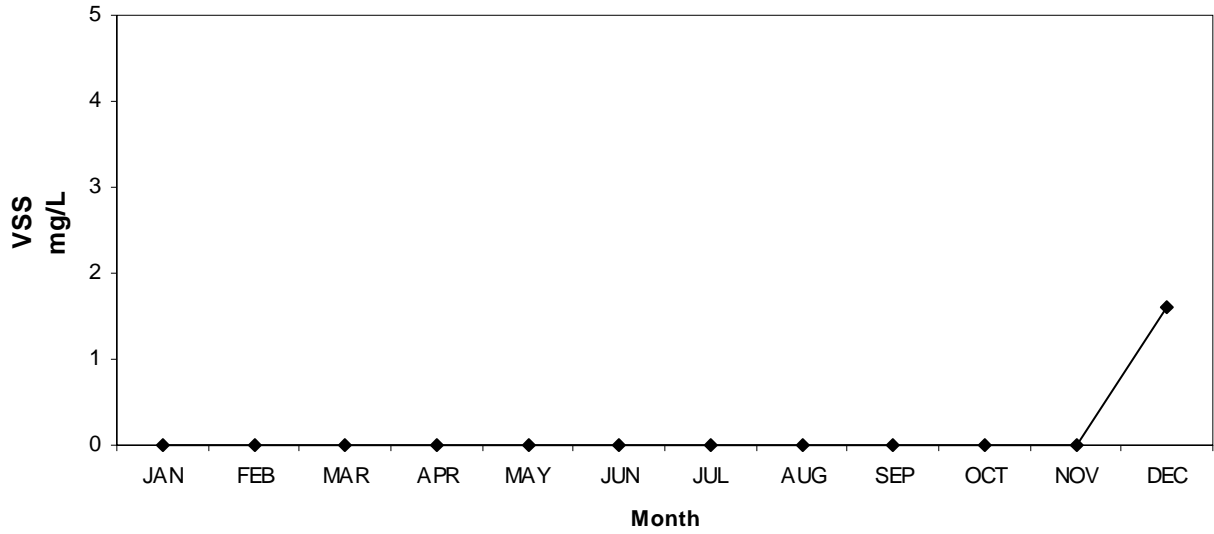
Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH Grab (pH)	Turbidity † (NTU)
JAN	ND	913	ND	ND	7.45	1.09
FEB	<2	886	ND	ND	7.51	0.724
MAR	ND	901	ND	ND	7.52	0.766
APR	<2	917	<1.6	ND	7.52	1.29
MAY	<2	906	ND	ND	7.45	1.44
JUN	ND	967	ND	ND	7.45	1.6
JUL	ND	940	<1.6	ND	7.47	NS
AUG	<2	970	<1.6	ND	7.36	NS
SEP	<2	925	<1.6	ND	7.4	NS
OCT	<2	978	ND	ND	7.38	NS
NOV	<2	1040	ND	ND	7.54	NS
DEC	ND	958	<1.6	<1.6	7.59	NS
Average	<2	942	<1.6	<1.6	7.47	1.2

† Not used for compliance determination. He turbidity values here are from laboratory analysis of 24 hour composite sample after the turbidity wasraised by the addition of sodium hypochlorite.

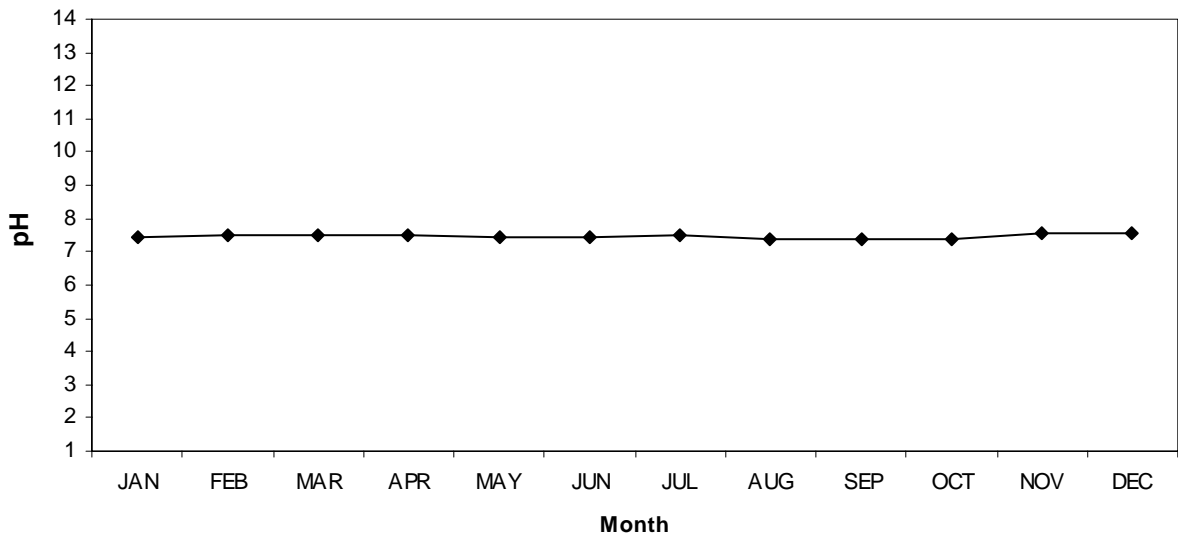




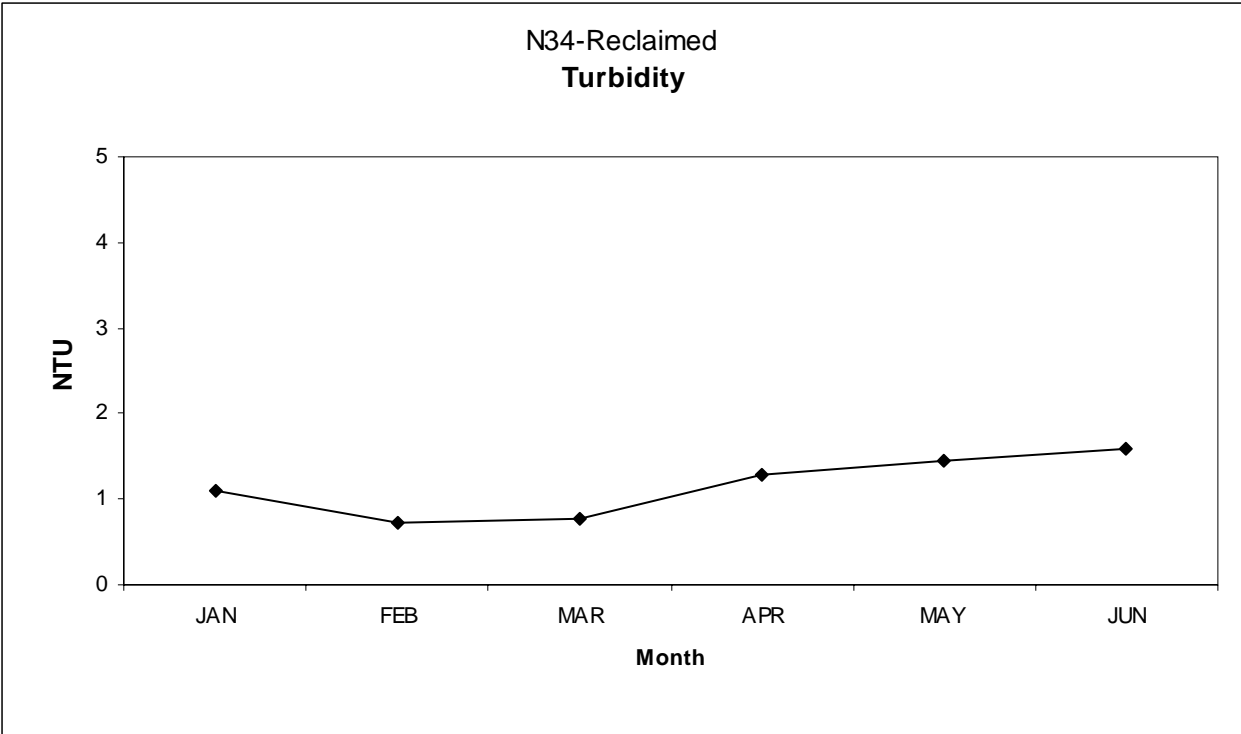
N34-Reclaimed  
Volatile Suspended Solids



N34-Reclaimed  
pH







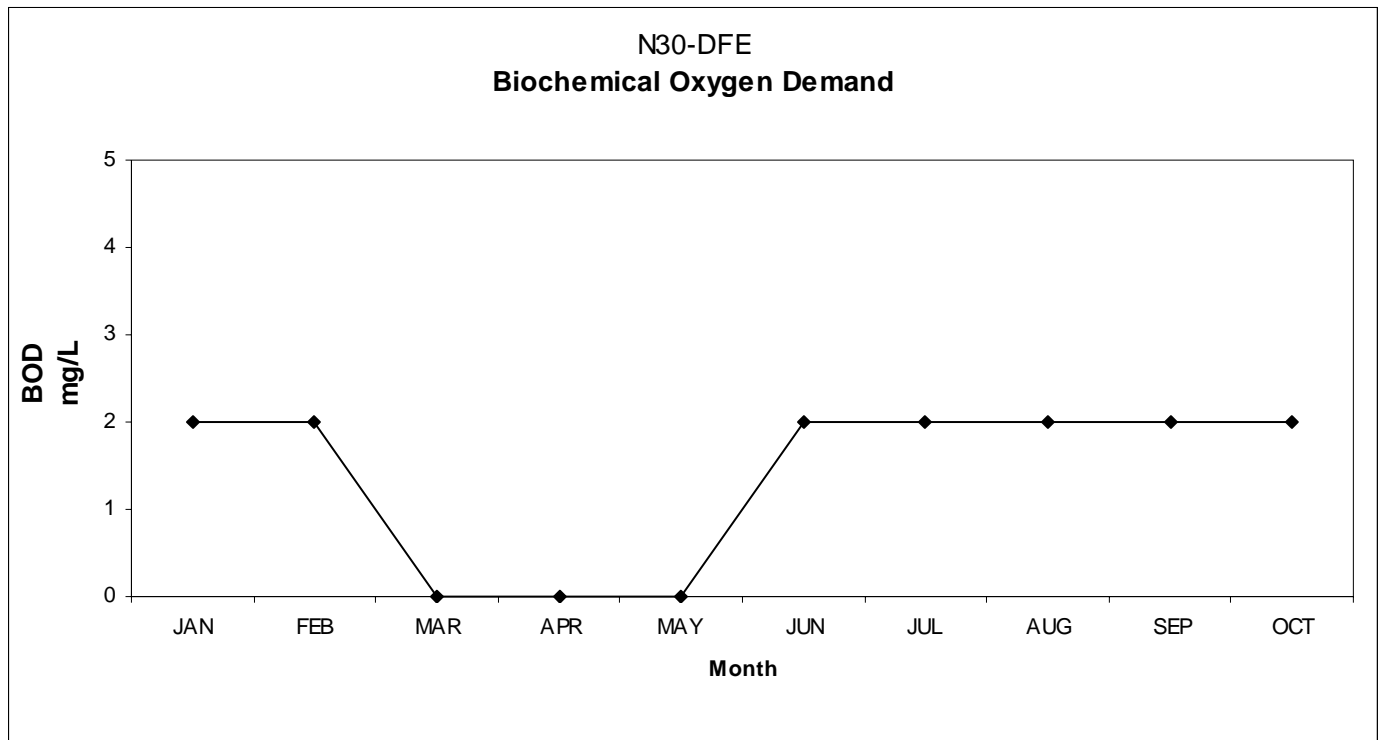
North City Water Reclamation Plant  
Annual Monitoring Report

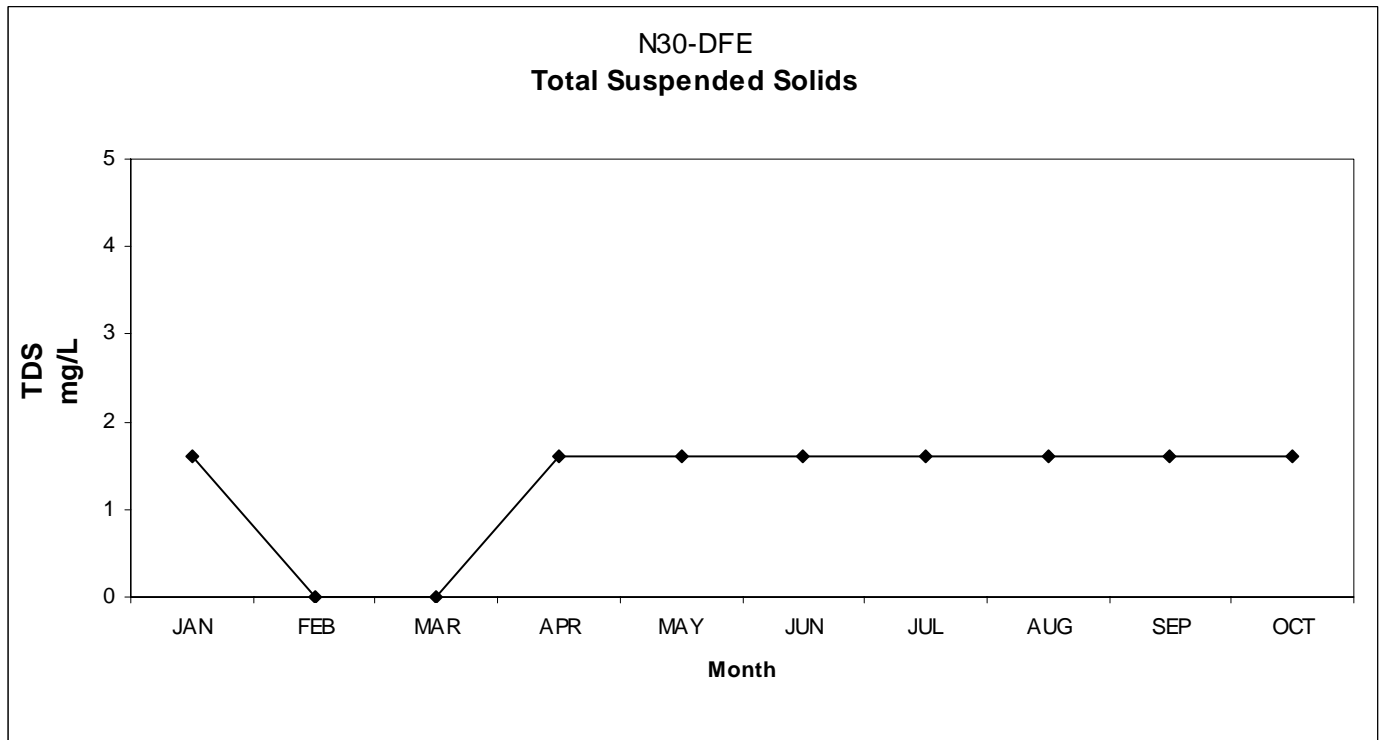
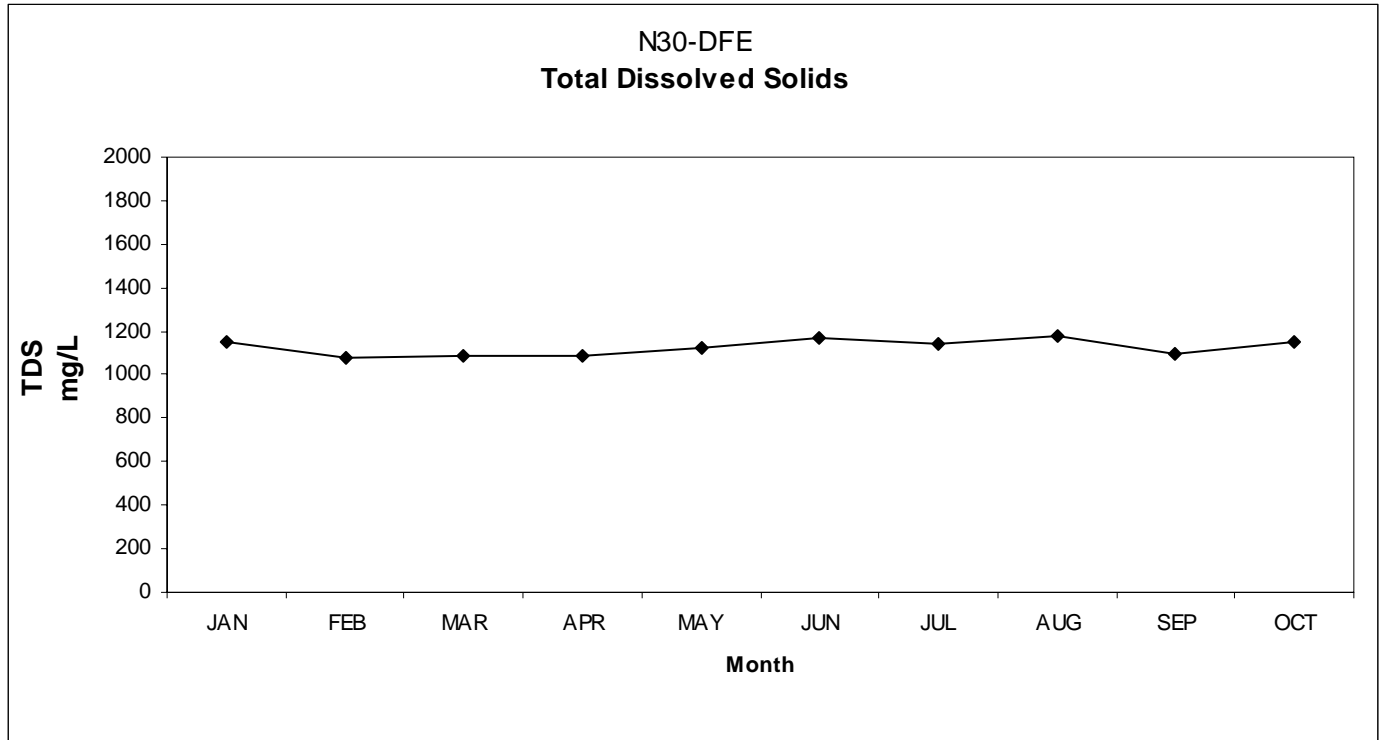
2004

Sampled by: North City Operators  
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

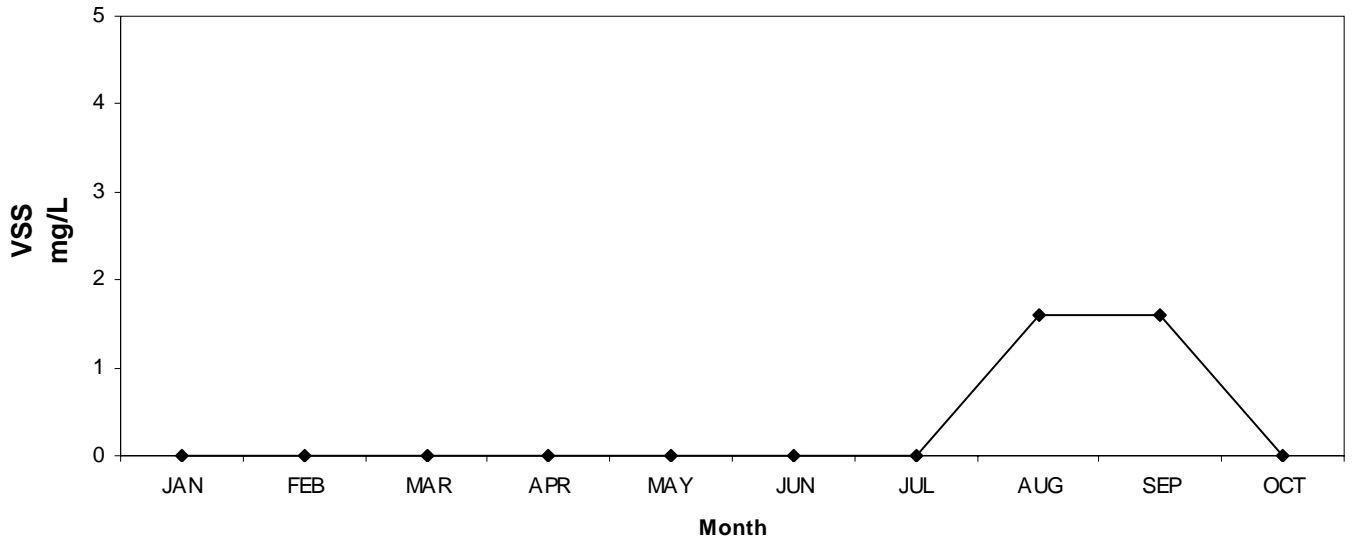
**Disinfected Final Effluent (N30-DFE)**

Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH Grab (pH)	Turbidity (NTU)
JAN	<2	1150	<1.6	ND	7.4	1.01
FEB	<2	1080	ND	ND	7.42	0.732
MAR	ND	1090	ND	ND	7.45	0.734
APR	ND	1090	<1.6	ND	7.44	1.27
MAY	ND	1120	<1.6	ND	7.39	1.66
JUN	<2	1170	<1.6	ND	7.39	1.9
JUL	<2	1140	<1.6	ND	7.38	NS
AUG	<2	1180	<1.6	<1.6	7.33	NS
SEP	<2	1100	<1.6	<1.6	7.36	NS
OCT	<2	1150	<1.6	ND	7.33	NS
NOV	NS	NS	NS	NS	7.38	NS
DEC	NS	NS	NS	NS	NS	NS
Average	1.4	1130	1.28	0.32	7.39	1.22

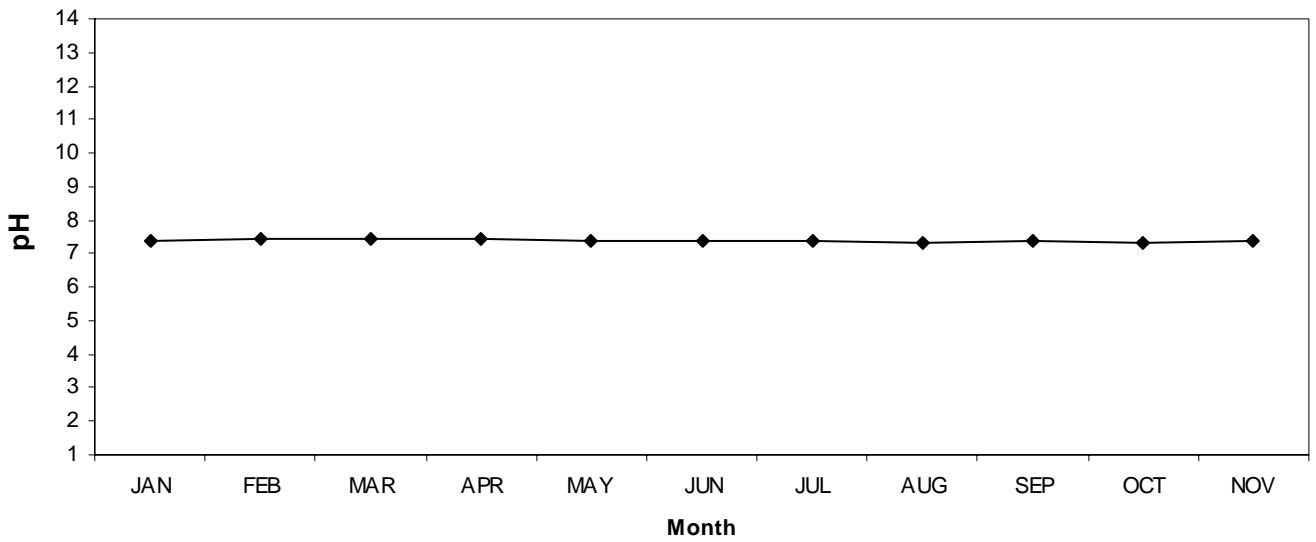


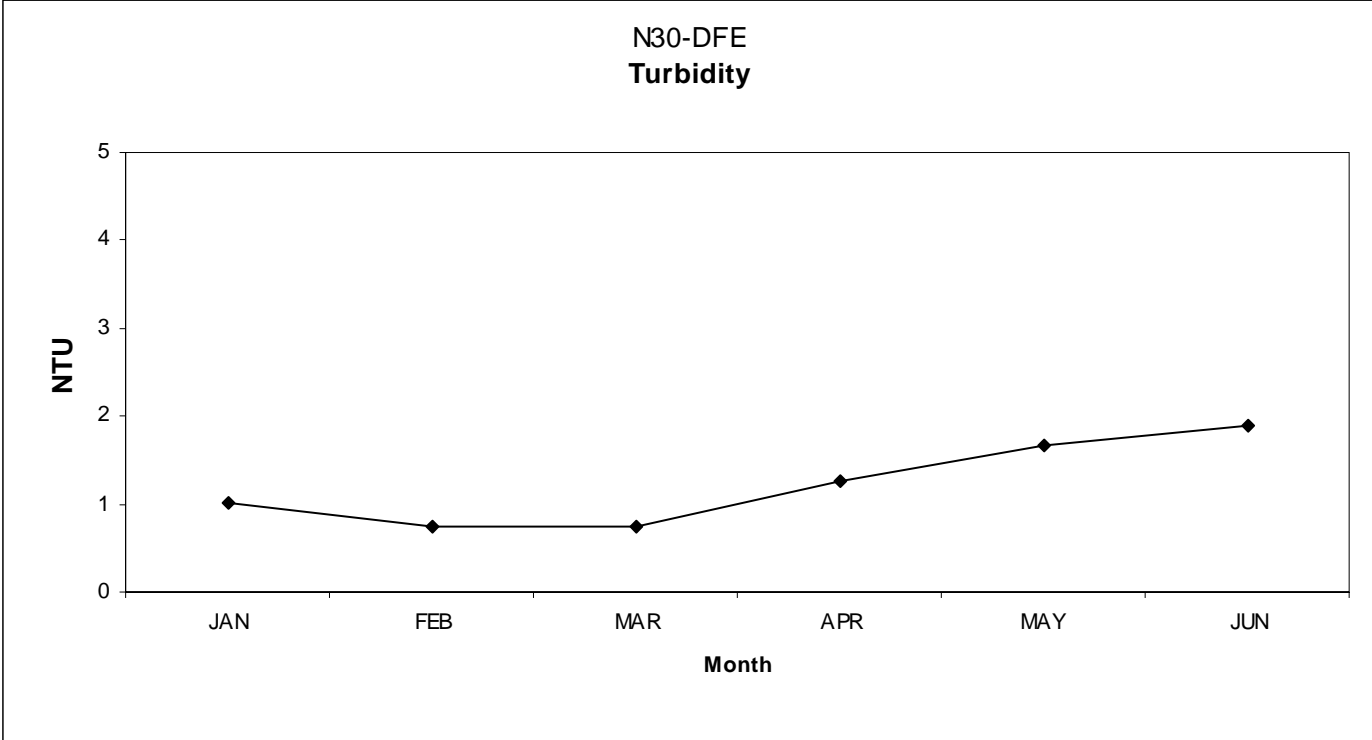


N30-DFE  
Volatile Suspended Solids



N30-DFE  
pH





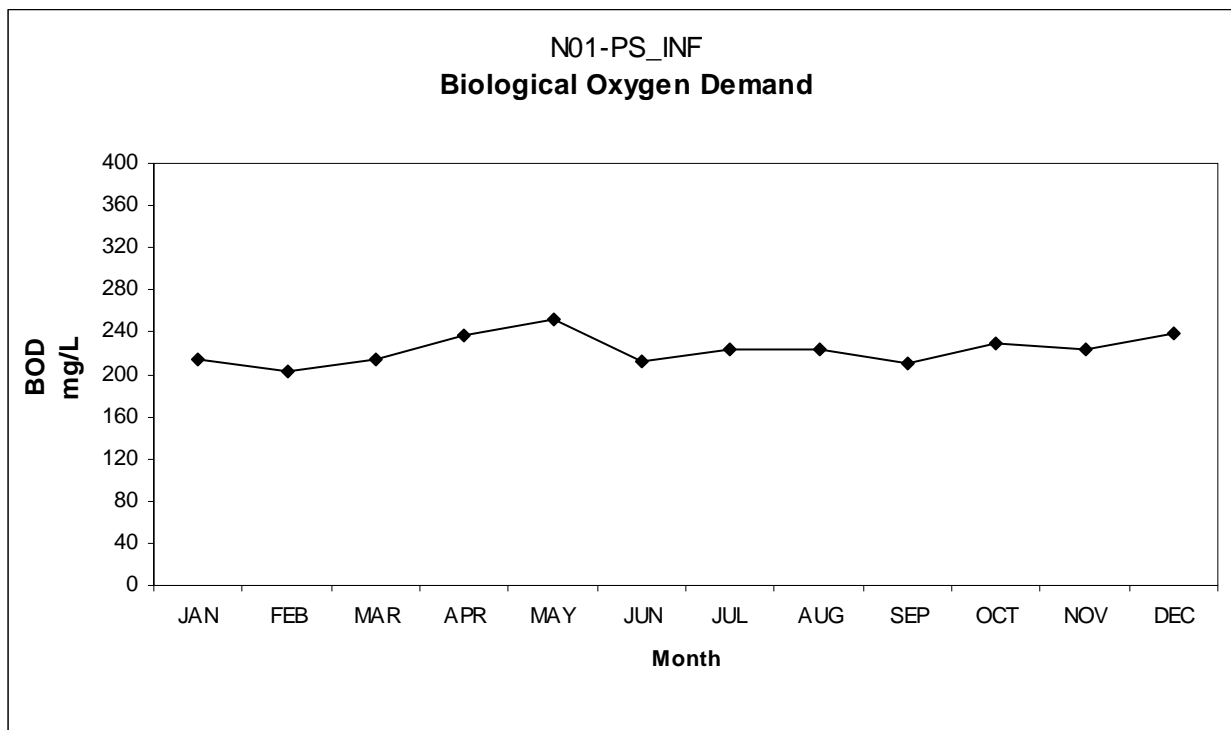
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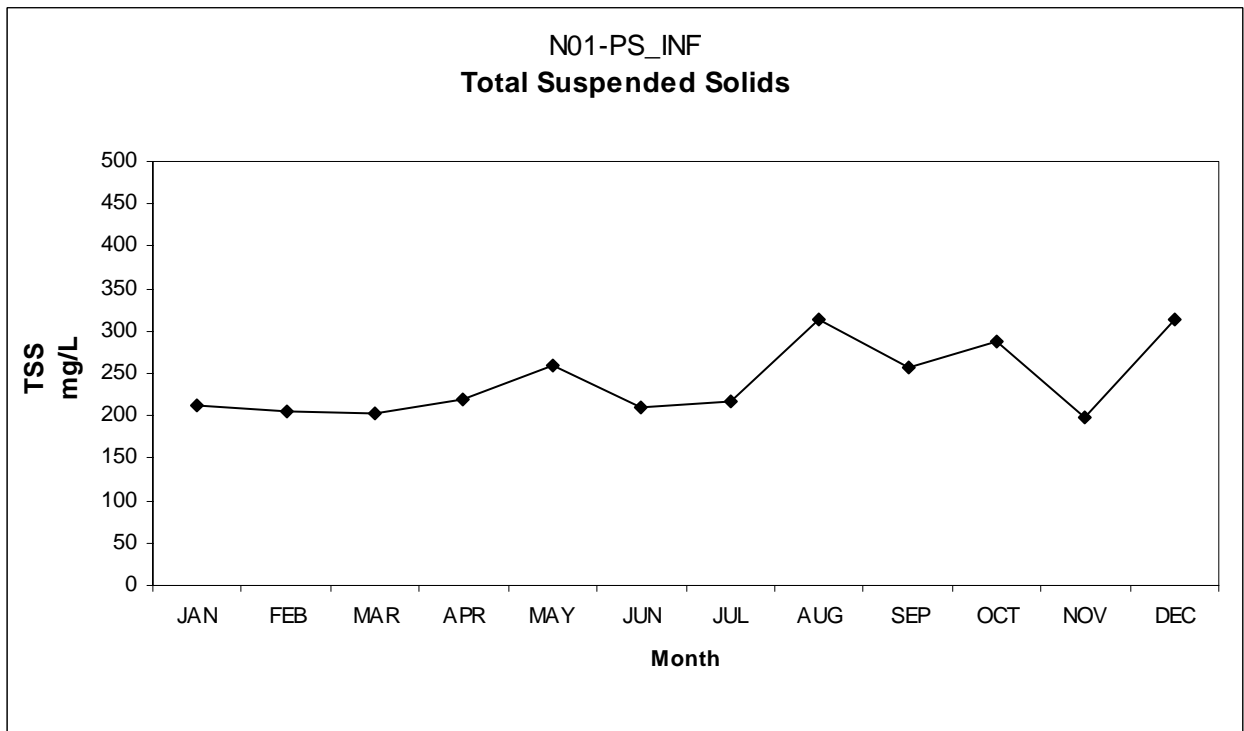
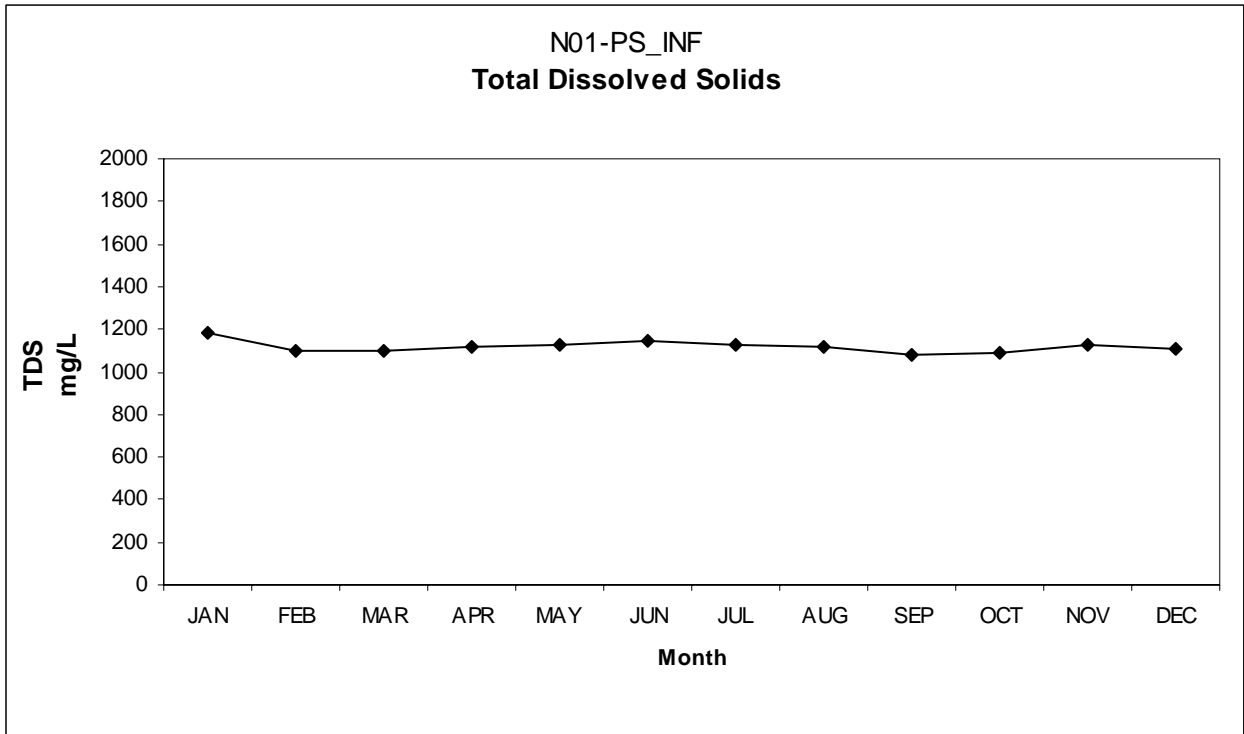
2004

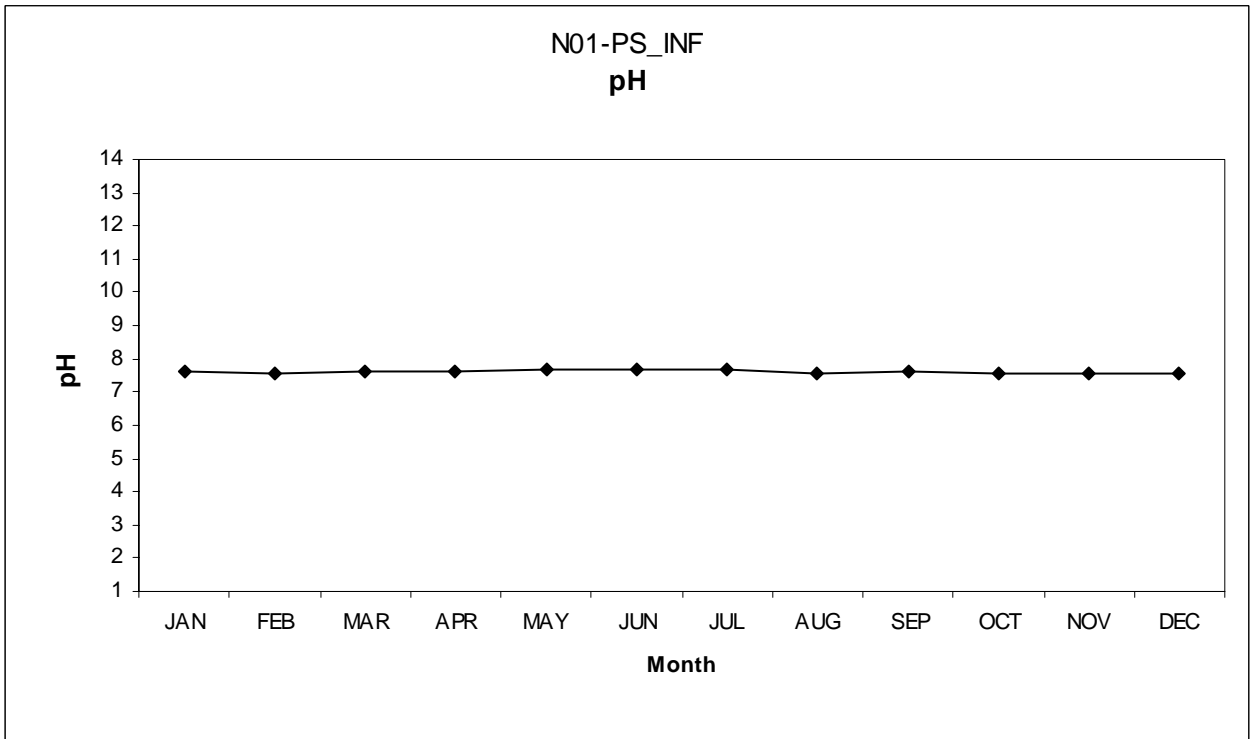
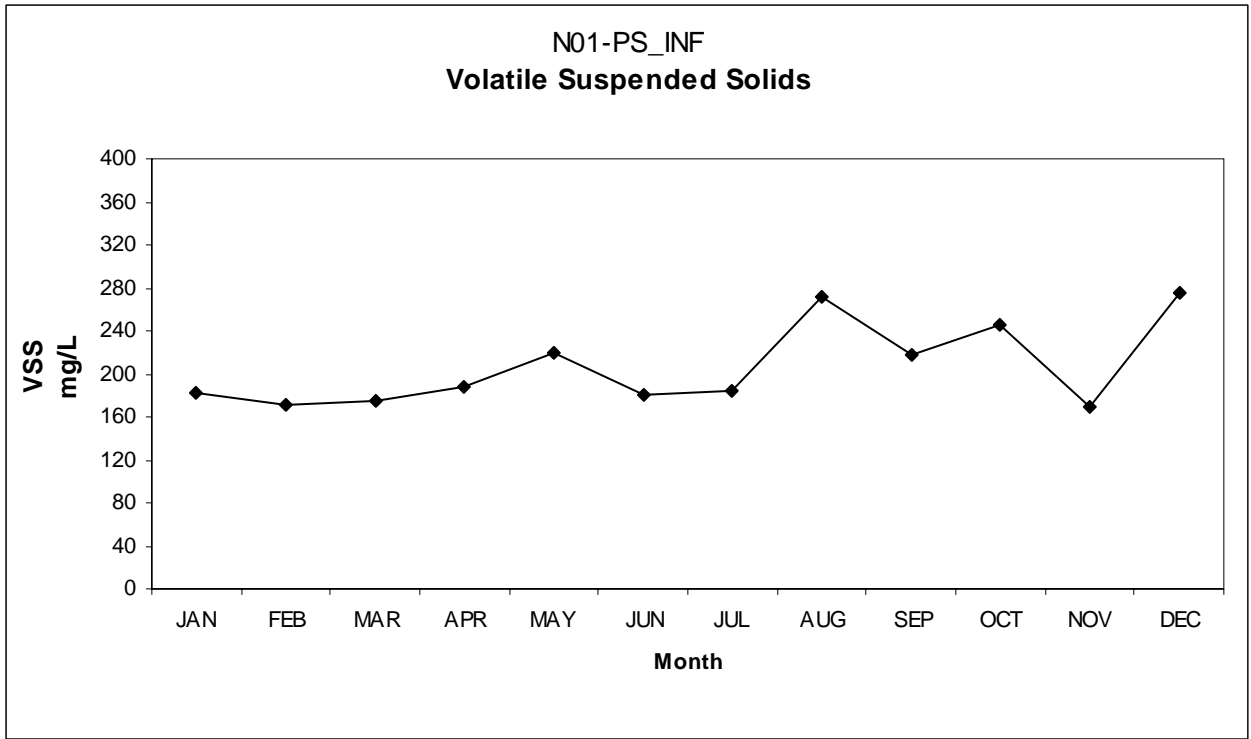
Sampled by: North City Operators  
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

**Influent (from Pumpstation 64) (N01-PS\_INF)**

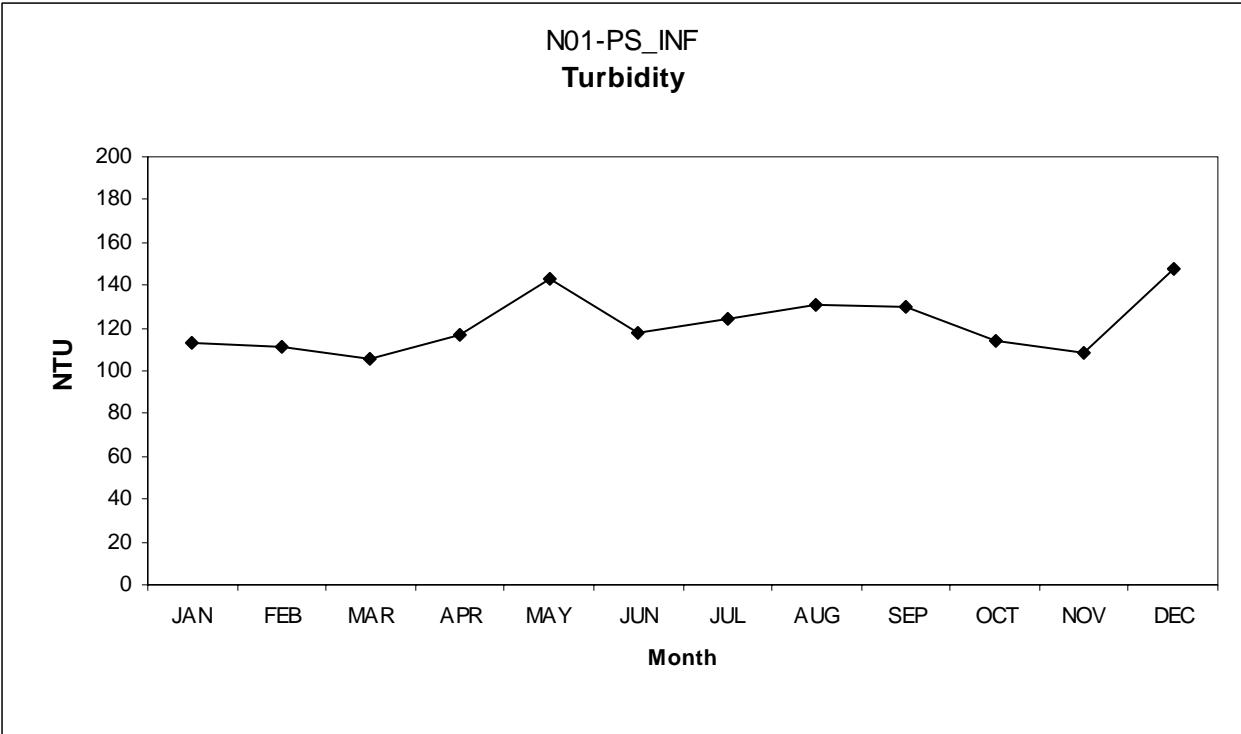
Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH  Grab (pH)	Turbidity  (NTU)
JAN	215	1180	212	183	7.64	113
FEB	202	1100	205	172	7.58	111
MAR	214	1100	203	175	7.63	106
APR	237	1120	220	188	7.60	117
MAY	253	1130	259	220	7.67	143
JUN	212	1150	210	181	7.67	118
JUL	223	1130	216	185	7.66	124
AUG	223	1120	313	272	7.58	131
SEP	210	1080	257	218	7.62	130
OCT	230	1090	287	246	7.57	114
NOV	223	1130	197	169	7.54	108
DEC	239	1110	314	275	7.55	148
Average	223	1120	241	207	7.61	122











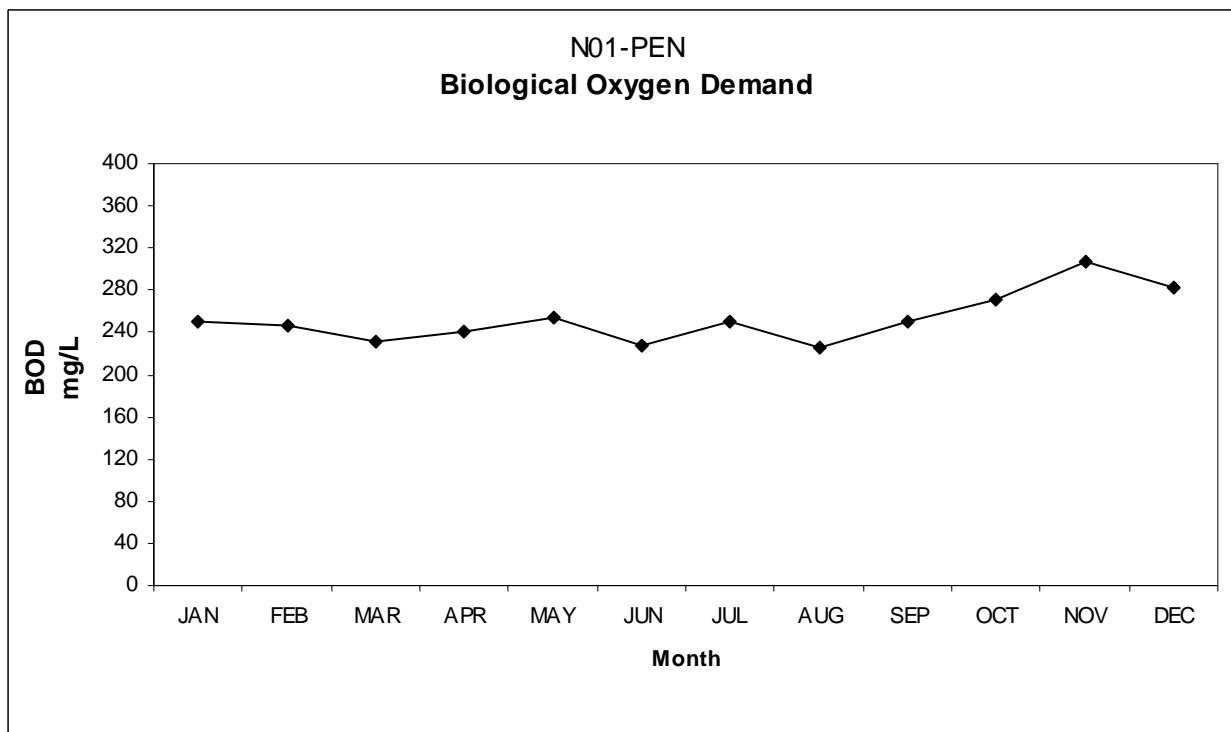
North City Water Reclamation Plant  
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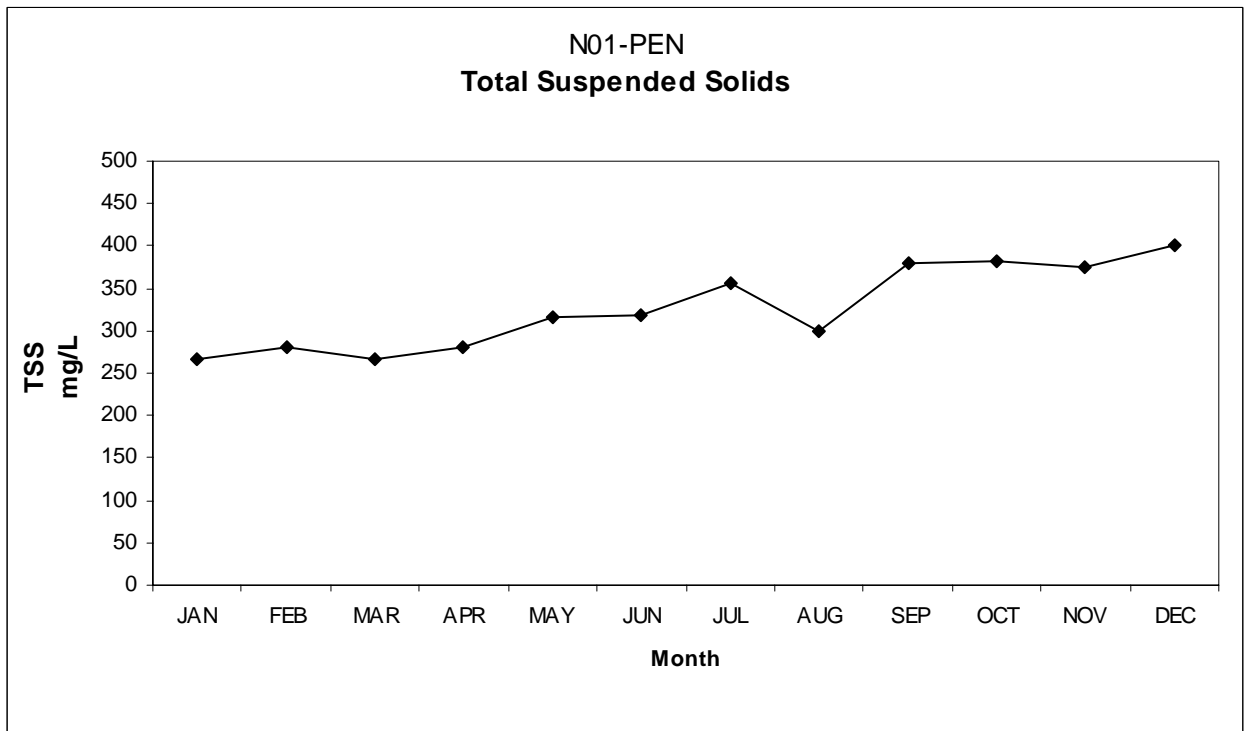
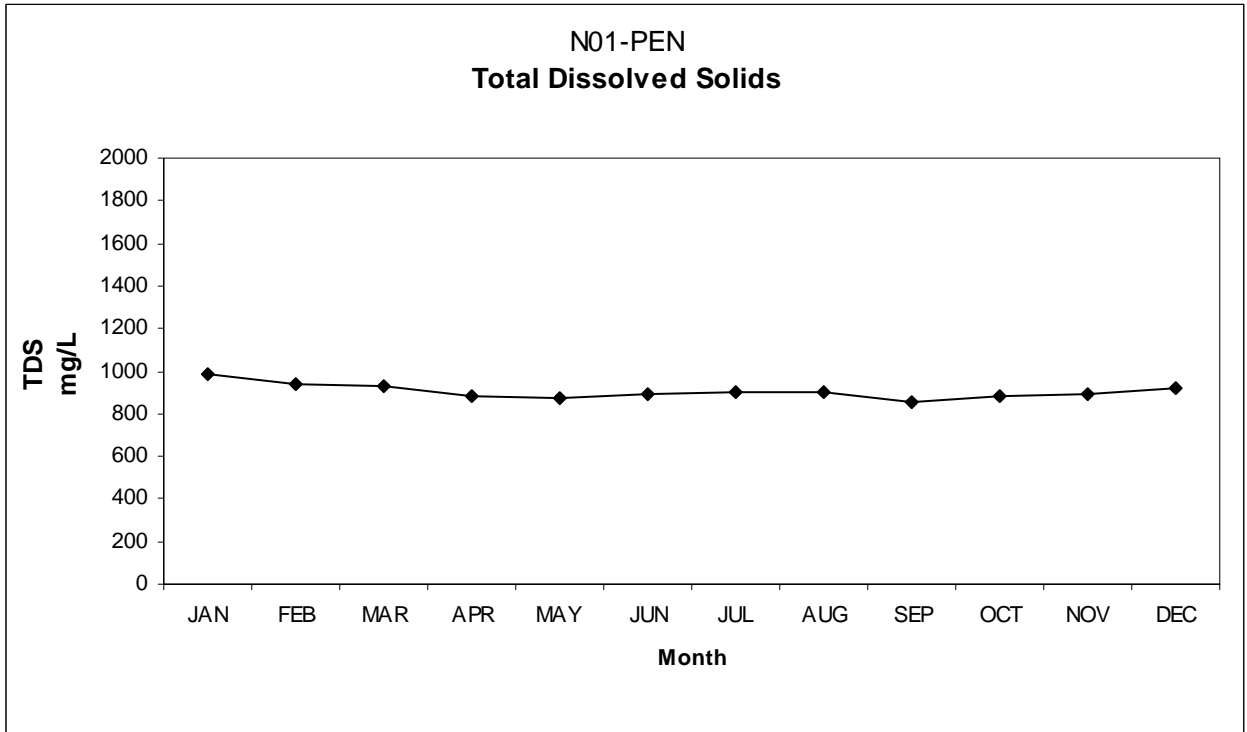
2004

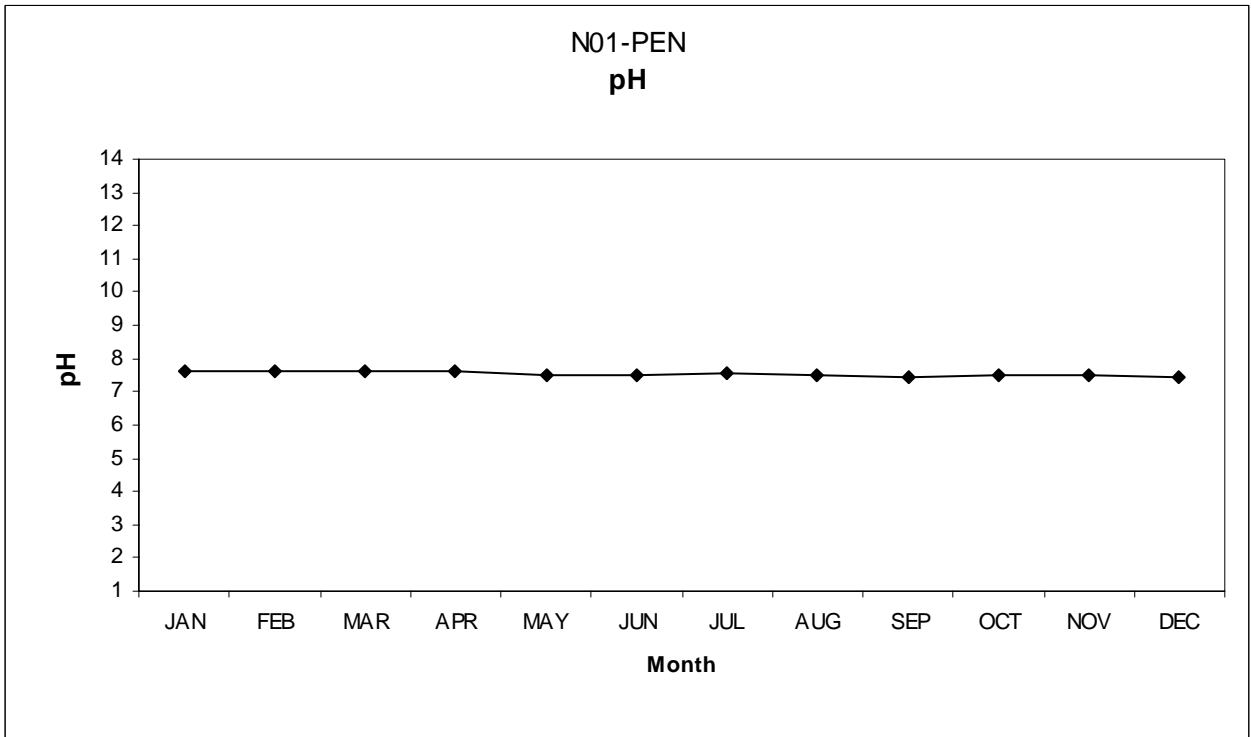
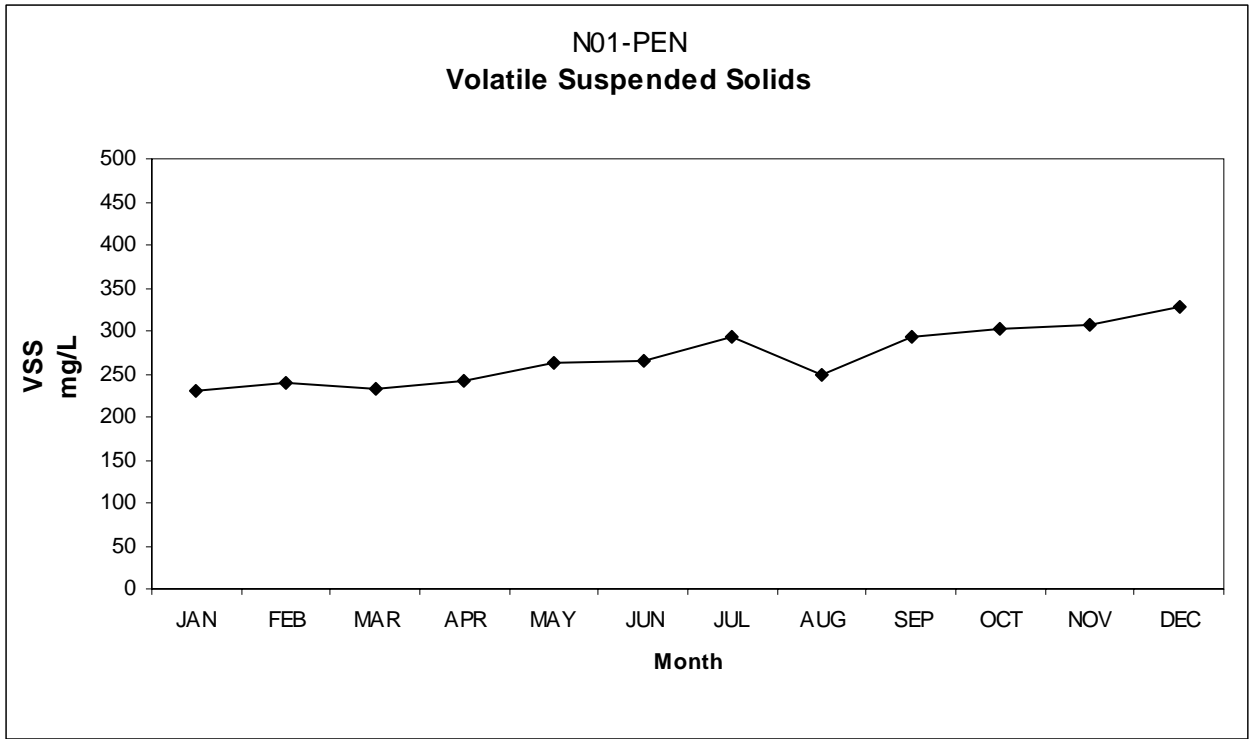
Sampled by: North City Operators  
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

**Influent (from the Penasquitos interceptor) (N01-PEN)**

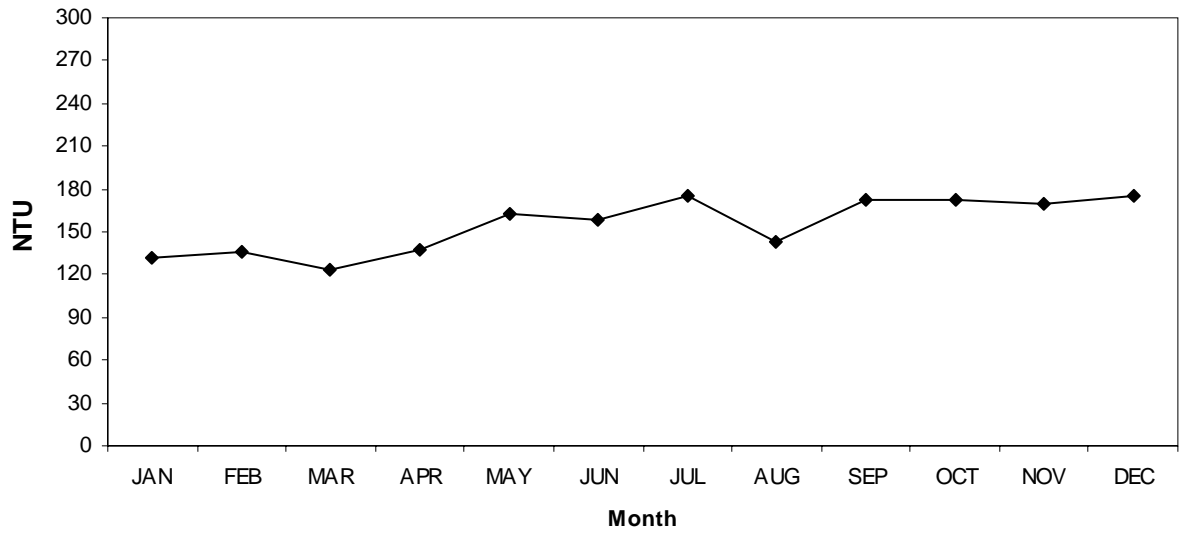
Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH Grab (pH)	Turbidity (NTU)
JAN	251	982	267	230	7.64	132
FEB	247	935	280	239	7.62	136
MAR	232	926	266	232	7.65	123
APR	240	881	281	243	7.6	138
MAY	254	872	316	262	7.53	162
JUN	228	893	318	264	7.5	158
JUL	251	898	357	294	7.55	175
AUG	225	903	299	249	7.5	143
SEP	251	858	379	294	7.45	173
OCT	271	887	381	303	7.49	173
NOV	308	888	374	307	7.53	169
DEC	283	921	401	327	7.46	175
Average	253	904	327	270	7.54	155







N01-PEN  
Turbidity



North City Water Reclamation Plant  
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2004

(N34-REC) Reclaimed Water- Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL and Units:	50 UG/L	23 UG/L	0.4 UG/L	10 UG/L	0.39 UG/L	15 UG/L
Limit:	1000	6	50	1000	4	700
JANUARY -2004	205	ND	0.61	57	ND	447
FEBRUARY -2004	ND	ND	ND	48	ND	382
MARCH -2004	ND	ND	0.77	46	ND	359
APRIL -2004	ND	ND	0.86	51	ND	394
MAY -2004	ND	33	0.80	43	ND	420
JUNE -2004	43^	ND^	0.44	22^	ND^	371^
JULY -2004	51^	ND^	0.54	24^	ND^	362^
AUGUST -2004	ND^	2^	ND	20^	ND^	381^
SEPTEMBER-2004	75^	2^	0.70	24^	ND^	367^
OCTOBER -2004	97^	ND^	0.79	22^	ND^	368^
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	ND^	ND^	0.64^	65^	ND^	251^
Annual Average:	43	3	0.56	38	ND	373

Analyte:	Cadmium	Chromium	Copper	Iron	Manganese	Mercury
MDL and Units:	1 UG/L	5 UG/L	4 UG/L	30 UG/L	4 UG/L	0.5 UG/L
Limit:	5	50		300	50	2
JANUARY -2004	ND	ND	26	207	61	ND
FEBRUARY -2004	ND	5.6	25	117	21	ND
MARCH -2004	ND	ND	26	117	20	ND
APRIL -2004	ND	ND	49	241	49	ND
MAY -2004	ND	ND	82	75	72	ND
JUNE -2004	0.2^	3.2^	113^	157^	156^	0.10
JULY -2004	0.2^	1.9^	66^	232^	130^	ND
AUGUST -2004	0.4^	5.8^	47^	175^	114^	ND
SEPTEMBER-2004	0.4^	1.0^	16^	112^	126^	ND
OCTOBER -2004	0.2^	1.5^	10^	124^	152^	ND
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	ND^	1.0^	25^	44^	65^	ND
Annual Average:	0.1	1.8	44	146	88	0.01

ND= Not Detected

NA= Not Analyzed

NS= No samples obtained for monthly parameters, plant down for reconfiguration.

^= MDL's for these analysis as follows:

Al	6.6 ug/L
Sb	1.02 ug/L
Ba	0.0202 ug/L
Be	0.0395 ug/L
B	1.1 ug/L
Cd	0.195 ug/L
Cr	0.189 ug/L
Cu	0.393 ug/L
Fe	0.785 ug/L
Mn	0.0494 ug/L

North City Water Reclamation Plant  
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2004

(N34-REC) Reclaimed Water- Annual Averages

Analyte:	Nickel	Selenium	Thallium	Chloride	Fluoride	Sulfate
MDL and Units:	14 UG/L	0.28 UG/L	40 UG/L	7 MG/L	.05 MG/L	0.5 MG/L
Limit:	100	50	2	300	1	300
=====	=====	=====	=====	=====	=====	=====
JANUARY -2004	ND	0.67	ND	237	0.4	228
FEBRUARY -2004	ND	0.65	ND	229	0.4	199
MARCH -2004	ND	0.70	ND	219	0.4	211
APRIL -2004	ND	0.76	ND	230	0.4	203
MAY -2004	ND	0.59	ND	215	0.4	189
JUNE -2004	7^	0.60	ND^	243	0.4	200
JULY -2004	5^	0.55	ND^	229	0.3	197
AUGUST -2004	11^	0.52	ND^	231	0.4	194
SEPTEMBER-2004	6^	0.48	ND^	221	0.4	195
OCTOBER -2004	8^	0.81	ND^	241	0.4	190
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	6^	0.88	ND^	214	0.4	224
=====	=====	=====	=====	=====	=====	=====
Annual Average:	4	0.66	ND	228	0.4	203

Analyte:	Total Cyanides	MBAS Surfactants	Total Organic Carbon	Percent Sodium Calculated	Adjusted Sodium Adsorption Calculated	Calcium
MDL and Units:	.002 MG/L	.03 MG/L	0.250 MG/L			.08 MG/L
Limit:	0.2				6	
=====	=====	=====	=====	=====	=====	=====
JANUARY -2004	ND	0.11	8.1*		63	74.0
FEBRUARY -2004	0.0086	0.13	**		60	66.0
MARCH -2004	ND	0.10	7.6		56	67.5
APRIL -2004	ND	0.14	9.4		58	64.0
MAY -2004	0.0044	0.18	8.1		59	57.0
JUNE -2004	0.0069	0.11	8.7		59	66.7
JULY -2004	0.0129	0.17	8.7		60	60.3
AUGUST -2004	0.0108	0.20	8.5		62	55.4
SEPTEMBER-2004	0.0098	0.15	9.0		60	59.2
OCTOBER -2004	0.0083	0.30	7.7		58	62.9
NOVEMBER -2004	NS	NS	NS		NS	NS
DECEMBER -2004	0.0050	0.12	6.5		52	80.1
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.0061	0.16	8.2		59	64.8

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

\* = Sample was analyzed out of holding time, is shown for review only, and is not included in averages.  
\*\*= Reclaimed water is partially demineralized DFE, the DFE value this month is 7.6. This Months reclaimed value was an anomalous 35.5 mg/L, analytical error suspected

^= MDL's for these analysis as follows:

Ni 0.268 ug/L  
Tl 1.81 ug/L

ND= Not Detected  
NA= Not Analyzed  
NS= No samples obtained for monthly parameters, plant down for reconfiguration.

North City Water Reclamation Plant  
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2004

(N34-REC) Reclaimed Water- Annual Averages

Analyte:	Magnesium	Potassium	Sodium	Calcium	Magnesium	Total
MDL and Units:	.02 MG/L	2 MG/L	.3 MG/L	Hardness 0.2 MG/L	Hardness 0.08 MG/L	Hardness 0.08 MG/L
Limit:						
JANUARY -2004	31.1	14.6	262	185	127.5	313
FEBRUARY -2004	29.5	10.6	190	165	121.0	286
MARCH -2004	30.9	12.2	181	169	126.7	296
APRIL -2004	29.4	15.4	189	160	120.5	281
MAY -2004	27.3	12.6	177	143	111.9	255
JUNE -2004	30.8	14.5	193	167	126.3	293
JULY -2004	28.4	14.3	195	151	116.4	267
AUGUST -2004	26.2	13.9	198	139	107.4	246
SEPTEMBER-2004	27.5	14.2	190	148	112.8	261
OCTOBER -2004	26.8	13.2	183	157	109.9	267
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	33.8	12.0	179	200	138.6	339
Annual Average:	29.2	13.4	194	162.2	119.9	282.2

Analyte:	Total	Lithium	Cobalt	Molybdenum	Vanadium
MDL and Units:	Dissolved Solids 42 MG/L	.01 MG/L	4 UG/L	3 UG/L	7 UG/L
Limit:	1200				
JANUARY -2004	913	0.06	ND	NR	NR
FEBRUARY -2004	886	0.04	ND	ND	ND
MARCH -2004	901	0.02	ND	5.9	ND
APRIL -2004	917	0.04	ND	NR	ND
MAY -2004	906	0.05	ND	4.9	ND
JUNE -2004	967	0.05	ND	13.3^	0.8^
JULY -2004	940	0.03	ND	9.8^	0.6^
AUGUST -2004	970	0.03	ND	10.3^	1.1^
SEPTEMBER-2004	925	0.03	ND	10.6^	0.9^
OCTOBER -2004	978	0.03	ND	8.7^	0.9^
NOVEMBER -2004	1040	NS	NS	NS	NS
DECEMBER -2004	953	0.04	ND	7.9^	0.6^
Annual Average:	941.3	0.04	ND	7.93	0.490

ND= Not Detected

NA= Not Analyzed

NS= No samples obtained for monthly parameters, plant down for reconfiguration.

^= MDL's for these analysis as follows:

Co 0.162 ug/L  
Mo 0.122 ug/L  
V 0.476 ug/L



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2004

(N30-DFE) Disinfected Final Effluent - Annual Averages

Analyte: MDL and Units:	Aluminum 50 UG/L	Antimony 23 UG/L	Arsenic 0.4 UG/L	Barium 10 UG/L	Beryllium 0.39 UG/L	Boron 15 UG/L
JANUARY -2004	109	29	0.67	83	ND	411
FEBRUARY -2004	ND	ND	0.55	72	ND	361
MARCH -2004	133	ND	0.85	55	ND	349
APRIL -2004	78	ND	1.07	64	ND	404
MAY -2004	58	ND	0.80	58	ND	438
JUNE -2004	33^	ND^	0.52	25^	ND^	353^
JULY -2004	61^	ND^	0.88	31^	ND^	362^
AUGUST -2004	ND^	ND^	0.71	33^	ND^	389^
SEPTEMBER-2004	103^	2^	0.59	31^	ND^	364^
OCTOBER -2004	52^	ND^	0.68	26^	ND^	372^
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	59	6	0.77	52	ND	380

	Cadmium 1 UG/L	Chromium 5 UG/L	Copper 4 UG/L	Iron 30 UG/L	Manganese 4 UG/L	Mercury .09 UG/L
JANUARY -2004	ND	ND	17	190	91	ND
FEBRUARY -2004	ND	ND	34	316	35	ND
MARCH -2004	ND	ND	77	84	32	ND
APRIL -2004	ND	ND	54	133	60	ND
MAY -2004	ND	ND	73	78	137	ND
JUNE -2004	ND^	1.0^	74^	153^	173^	0.14
JULY -2004	0.4^	1.6^	31^	191^	154^	ND
AUGUST -2004	0.4^	3.3^	26^	275^	661^	ND
SEPTEMBER-2004	0.7^	0.9^	17^	109^	178^	ND
OCTOBER -2004	0.3^	0.8^	13^	147^	183^	ND
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	0.4	2.0	47	156	150	0.01

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

^= MDL's for these analysis as follows:

- Al 6.6 ug/L
- Sb 1.02 ug/L
- Ba 0.0202 ug/L
- Be 0.0395 ug/L
- B 1.1 ug/L
- Cd 0.195 ug/L
- Cr 0.189 ug/L
- Cu 0.393 ug/L
- Fe 0.785 ug/L
- Mn 0.0494 ug/L

North City Water Reclamation Plant  
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2004

(N30-DFE) Disinfected Final Effluent - Annual Averages

Analyte:	Nickel	Selenium	Thallium	Chloride	Fluoride	Sulfate
MDL and Units:	14 UG/L	0.28 UG/L	40 UG/L	7 MG/L	.05 MG/L	0.5 MG/L
JANUARY -2004	ND	0.78	ND	311	0.5	285
FEBRUARY -2004	ND	0.79	ND	285	0.4	250
MARCH -2004	ND	0.77	ND	270	0.4	250
APRIL -2004	ND	0.96	ND	284	0.4	236
MAY -2004	ND	0.72	ND	292	0.5	236
JUNE -2004	7^	0.71	ND^	283	0.4	233
JULY -2004	6^	0.69	ND^	282	0.4	232
AUGUST -2004	14^	0.60	ND^	299	0.4	238
SEPTEMBER-2004	7^	0.54	ND^	275	0.4	224
OCTOBER -2004	9^	0.63	ND^	295	0.4	226
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	5	0.73	ND	288	0.4	245

Analyte:	Total Cyanides	MBAS Surfactants	Total Organic Carbon	Percent Sodium	Adjusted Sodium Adsorption Ratio	Calcium
MDL and Units:	0.002 MG/L	0.03 MG/L	0.250 MG/L	Percent		.08 MG/L
JANUARY -2004	ND	0.13	8.5*	58	6.3	93.3
FEBRUARY -2004	0.0121	0.13	7.6	56	5.0	86.4
MARCH -2004	ND	0.12	8.0	54	4.7	80.9
APRIL -2004	ND	0.15	9.6	55	5.2	80.7
MAY -2004	ND	0.14	8.1	57	5.6	76.4
JUNE -2004	0.0096	0.13	8.9	57	5.3	80.5
JULY -2004	0.0112	0.20	8.8	57	5.2	74.8
AUGUST -2004	0.0086	0.14	8.9	59	5.7	73.6
SEPTEMBER-2004	0.0128	0.19	8.6	59	5.6	74.7
OCTOBER -2004	0.0100	0.21	7.7	57	5.2	77.5
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	0.0070	0.15	8.3	56	5.4	82.5

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

\* = Sample was analyzed out of holding time, is shown for review only, and is not included in averages.

^= MDL's for these analysis as follows:

Ni 0.268 ug/L  
Tl 1.81 ug/L

North City Water Reclamation Plant  
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(N30-DFE) Disinfected Final Effluent - Annual Averages

Analyte:	Magnesium	Potassium	Sodium	Calcium	Magnesium	Total
MDL and Units:	.02 MG/L	2 MG/L	.3 MG/L	Hardness 0.2 MG/L	Hardness 0.08 MG/L	Hardness 0.08 MG/L
JANUARY -2004	39.8	17.4	265	233	163	396
FEBRUARY -2004	37.8	15.7	209	216	155	371
MARCH -2004	36.5	14.4	197	202	150	352
APRIL -2004	38.5	17.9	218	202	158	360
MAY -2004	36.1	13.0	218	191	148	339
JUNE -2004	37.6	17.3	214	201	154	355
JULY -2004	34.3	16.9	211	187	141	328
AUGUST -2004	35.1	17.4	235	184	144	328
SEPTEMBER-2004	35.2	16.9	229	187	144	331
OCTOBER -2004	33.6	15.8	211	194	138	332
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	37.1	16.7	222	206	152	358

Analyte:	Total Dissolved Solids	Lithium	Molybdenum	Cobalt	Lead	Vanadium
MDL and Units:	42 MG/L	.01 MG/L	3 UG/L	4 UG/L	18 UG/L	7 UG/L
JANUARY -2004	1150	0.06	NR	ND	ND	NR
FEBRUARY -2004	1080	0.05	ND	ND	ND	ND
MARCH -2004	1090	0.03	6.2	ND	ND	ND
APRIL -2004	1090	0.05	NR	ND	ND	ND
MAY -2004	1120	0.04	5.0	ND	ND	ND
JUNE -2004	1170	0.04	14.6^	ND^	ND^	0.812^
JULY -2004	1140	0.03	11.4^	ND^	ND^	0.9^
AUGUST -2004	1180	0.04	12.7^	ND^	ND^	1.23^
SEPTEMBER-2004	1100	0.03	11.4^	ND^	ND^	1.1^
OCTOBER -2004	1150	0.03	10.5^	ND^	ND^	1.36^
NOVEMBER -2004	NS	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS	NS
Annual Average:	1129	0.04	8.36	ND	ND	ND

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

^= MDL's for these analysis as follows:

Co 0.162 ug/L  
Mo 0.122 ug/L  
V 0.476 ug/L  
Pb 1.38 ug/L

North City Water Reclamation Plant  
Annual Monitoring Report

2004

(N01-PS\_INF) Pump Station 64 Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL and Units:	50 UG/L	23 UG/L	0.4 UG/L	10 UG/L	0.39 UG/L	15 UG/L
JANUARY -2004	1540	ND	1.16	146	ND	423
FEBRUARY -2004	1350	ND	0.79	119	ND	309
MARCH -2004	955	ND	1.02	87	ND	346
APRIL -2004	1210	25	1.40	119	ND	395
MAY -2004	1120	23	0.86	99	ND	387
JUNE -2004	889	ND	1.37	104	ND	383
JULY -2004	1110	ND	1.06	104	ND	370
AUGUST -2004	1420	5	1.39	115	ND	376
SEPTEMBER-2004	985	4	1.07	103	ND	370
OCTOBER -2004	1520	ND	1.08	137	ND	321
NOVEMBER -2004	NS*	NS*	NS*	NS*	NS*	NS*
DECEMBER -2004	794	ND	1.29	91	ND	350
Annual Average:	1172	5	1.14	111	ND	366

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL and Units:	1 UG/L	5 UG/L	4 UG/L	4 UG/L	30 UG/L	18 UG/L
JANUARY -2004	ND	ND	ND	117	925	ND
FEBRUARY -2004	1.2	8.1	ND	111	871	ND
MARCH -2004	ND	ND	ND	111	646	ND
APRIL -2004	ND	ND	ND	158	934	18
MAY -2004	ND	ND	<4	159	716	ND
JUNE -2004	0.3	4.4	0.218^	139	2520	ND
JULY -2004	0.3	10.2	0.26^	196	1100	2
AUGUST -2004	1.1	7.3	ND^	317	2450	14
SEPTEMBER-2004	0.5	2.1	0.34^	125	1010	2
OCTOBER -2004	0.5	4.2	0.554^	146	1500	3
NOVEMBER -2004	NS*	NS*	NS*	NS*	NS*	NS*
DECEMBER -2004	ND	2.7	0.292^	77	94	3
Annual Average:	0.4	3.5	<0	151	1161	4

	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
	.01 MG/L	4 UG/L	.09 UG/L	3 UG/L	14 UG/L	.28 UG/L
JANUARY -2004	0.07	258	0.27	NS	ND	1.66
FEBRUARY -2004	0.06	231	0.53	ND	ND	1.64
MARCH -2004	0.04	217	ND	<3	ND	1.44
APRIL -2004	0.06	221	0.16	NS	ND	1.49
MAY -2004	0.03	204	0.29	<3	ND	1.28
JUNE -2004	0.06	218^	0.33	18^	9^	1.31
JULY -2004	0.03	212^	0.19	15^	11^	1.47
AUGUST -2004	0.04	240^	0.20	20.3^	13^	1.33
SEPTEMBER-2004	0.03	193^	ND	18.5^	8^	1.10
OCTOBER -2004	0.03	203^	0.26	15.5^	11^	1.11
NOVEMBER -2004	NS*	NS*	NS*	NS*	NS*	NS*
DECEMBER -2004	0.05	220^	0.11	10.6^	6^	1.41
Annual Average:	0.05	220	0.21	14.0	5	1.39

ND = Not Detected  
 NA = Not Analyzed  
 NS = Not Sampled  
 NS\*= Not Sampled, plant down for maintenance

^= MDL's for these analysis as follows:  
 Mn 0.0494 ug/L      Co 0.162 ug/L  
 Mo 0.122 ug/L      Ni 0.268 ug/L

North City Water Reclamation Plant  
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2004

(N01-PS\_INF) Pump Station 64 Influent - Annual Averages

	Silver 6.6 UG/L	Thallium 40 UG/L	Vanadium 7 UG/L	Zinc 4 UG/L	Calcium 0.08 UG/L	Magnesium 0.02 UG/L
JANUARY -2004	10	ND	NS	137	103.0	45.7
FEBRUARY -2004	ND	ND	ND	108	91.6	41.1
MARCH -2004	ND	ND	ND	80	92.5	42.0
APRIL -2004	ND	ND	ND	104	85.8	39.2
MAY -2004	ND	ND	ND	107	84.6	39.5
JUNE -2004	7^	ND^	0.907^	88^	87.2^	39.9^
JULY -2004	4^	ND^	2.4^	107^	83.1^	39.0^
AUGUST -2004	2^	ND^	2.4^	291^	82.9^	38.5^
SEPTEMBER-2004	6^	ND^	1.35^	92^	87.8^	39.1^
OCTOBER -2004	5^	ND^	2.49^	145^	88.4^	37.5^
NOVEMBER -2004	NS*	NS*	NS*	NS*	NS*	NS*
DECEMBER -2004	3^	ND^	1.91^	61^	93.9^	41.3^
Annual Average:	3	ND	1.15	120	89.2	40.3

	Potassium 2.0 UG/L	Sodium 0.3 UG/L	Chloride 7 MG/L	Fluoride .05 MG/L	Sulfate 0.5 MG/L	Total Dissolved Solids 42 MG/L
JANUARY -2004	19.0	240	NS	NS	NS	1180
FEBRUARY -2004	15.6	224	301	0.4	247	1100
MARCH -2004	15.5	219	NS	NS	NS	1100
APRIL -2004	18.1	207	NS	NS	NS	1120
MAY -2004	16.2	204	302	0.3	230	1130
JUNE -2004	17.0^	214^	NS	NS	NS	1150
JULY -2004	18.5^	229^	NS	NS	NS	1130
AUGUST -2004	17.5^	228^	280	0.4	229	1120
SEPTEMBER-2004	15.9^	226^	NS	NS	NS	1080
OCTOBER -2004	17.7^	208^	292	0.3	215	1090
NOVEMBER -2004	NS*	NS*	NS*	NS*	NS*	1130
DECEMBER -2004	19.1^	230^	NS	NS	NS	1110
Annual Average:	17.3	221	294	0.4	230	1120

	Total Cyanides .002 MG/L
JANUARY -2004	ND
FEBRUARY -2004	0.0020
MARCH -2004	0.0023
APRIL -2004	ND
MAY -2004	0.0024
JUNE -2004	ND
JULY -2004	ND
AUGUST -2004	ND
SEPTEMBER-2004	ND
OCTOBER -2004	ND
NOVEMBER -2004	NS*
DECEMBER -2004	ND
Annual Average:	0.0006

ND = Not Detected  
NA = Not Analyzed  
NS = Not Sampled  
NS\*= Not Sampled, plant down for maintenance

^= MDL's for these analysis as follows:

Ag	0.04 ug/L	Mg	0.014 ug/L	Ca	0.034 ug/L
Tl	1.81 ug/L	K	0.04 ug/L	Zn	0.544 ug/L
V	0.476 ug/L	Na	0.223 ug/L		

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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium
MDL:	50	23	.4	10	.39
Month/Units:	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====
JANUARY -2004	3060	65.0	1.87	170	ND
FEBRUARY -2004	2690	ND	1.56	139	ND
MARCH -2004	2990	ND	1.19	117	ND
APRIL -2004	1970	ND	1.30	130	ND
MAY -2004	1620	ND	0.71	184	ND
JUNE -2004	3150	1.2	2.40	89	ND
JULY -2004	2630	ND	1.75	88	ND
AUGUST -2004	2070	1.6	0.77	90	ND
SEPTEMBER-2004	2050	2.7	1.02	89	ND
OCTOBER -2004	2100	ND	1.57	122	ND
DECEMBER -2004	NS	NS	NS	NS	NS
=====	=====	=====	=====	=====	=====
Annual Average:	2430	7.05	1.41	122	ND

Analyte:	Boron	Cadmium	Chromium	Copper	Iron
MDL:	15	1	5	4	30
Month/Units:	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====
JANUARY -2004	470	ND	20.30	113	1170
FEBRUARY -2004	359	ND	7.40	147	897
MARCH -2004	344	ND	5.60	97	2500
APRIL -2004	388	ND	9.30	114	3420
MAY -2004	392	1.10	ND	118	498
JUNE -2004	362	0.36	11.50	196	14300
JULY -2004	352	0.37	21.80	146	10700
AUGUST -2004	360	0.52	7.81	110	12500
SEPTEMBER-2004	356	0.58	9.41	90	12300
OCTOBER -2004	311	0.38	8.06	105	15600
NOVEMBER -2004	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS
=====	=====	=====	=====	=====	=====
Annual Average:	370	0.331	10.1	124	7390

Analyte:	Lead	Manganese	Mercury	Nickel	Selenium
MDL:	18	4	.09	14	.28
Month/Units:	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====
JANUARY -2004	26.0	158	ND	21.0	1.61
FEBRUARY -2004	ND	126	0.25	ND	1.98
MARCH -2004	ND	95	0.31	ND	1.75
APRIL -2004	19.0	102	0.15	21.0	1.66
MAY -2004	ND	91	0.13	ND	0.99
JUNE -2004	ND	270^	0.23	16.0^	1.37
JULY -2004	3.4	230^	0.15	16.5^	1.49
AUGUST -2004	4.3	203^	0.16	15.7^	1.03
SEPTEMBER-2004	3.8	201^	0.34	12.6^	1.00
OCTOBER -2004	6.1	224^	0.10	11.7^	0.87
NOVEMBER -2004	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS
=====	=====	=====	=====	=====	=====
Annual Average:	6.26	170	170	11.5	1.38

^= MDL's for these analysis as follows:

Mn 0.0494 ug/L  
Ni 0.268 ug/L

North City Water Reclamation Plant  
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2004  
(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Silver	Thallium	Zinc	Calcium	Magnesium
MDL:	6.6	40	4	.08	.02
Month/Units:	UG/L	UG/L	UG/L	MG/L	MG/L
=====	=====	=====	=====	=====	=====
JANUARY -2004	ND	ND	157	94.1	38.1
FEBRUARY -2004	ND	ND	120	88.6	36.6
MARCH -2004	ND	ND	120	91.1	38.8
APRIL -2004	ND	ND	103	79.8	35.5
MAY -2004	ND	ND	107	68.6	32.6
JUNE -2004	5.5^	ND^	112^	77.8^	35.7^
JULY -2004	11.9^	ND^	106^	73.9^	33.3^
AUGUST -2004	5.5^	ND^	113^	70.7^	31.8^
SEPTEMBER-2004	5.8^	ND^	117^	70.9^	31.0^
OCTOBER -2004	5.7^	ND^	121^	77.1^	31.7^
NOVEMBER -2004	NS	NS	NS	NS	NS
DECEMBER -2004	NS	NS	NS	NS	NS
=====	=====	=====	=====	=====	=====
Annual Average:	3.44	0	118	7.93	34.5

Analyte:	Potassium	Sodium	Cyanides, Total
MDL:	2	.3	.002
Month/Units:	MG/L	MG/L	MG/L
=====	=====	=====	=====
JANUARY -2004	17.8	180	ND
FEBRUARY -2004	18.0	175	ND
MARCH -2004	15.2	175	ND
APRIL -2004	19.4	171	ND
MAY -2004	14.5	153	0.002
JUNE -2004	19.8^	175^	ND
JULY -2004	18.4^	170^	ND
AUGUST -2004	19.1^	170^	0.002
SEPTEMBER-2004	18.6^	169^	0.002
OCTOBER -2004	17.8^	163^	ND
NOVEMBER -2004	NS	NS	NS
DECEMBER -2004	NS	NS	NS
=====	=====	=====	=====
Annual Average:	17.9	170	<0.002

ND= not detected  
NA= not analyzed  
NR= not required  
NS= not sampled

^= MDL's for these analysis as follows:

Ag 0.04 ug/L  
Tl 1.81 ug/L  
Mg 0.014 ug/L  
K 0.04 ug/L  
Na 0.223 ug/L  
Zn 0.544 ug/L  
Ca 0.034 ug/L

North City Water Reclamation Plant  
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2004

Source:		N30-DFE	N30-DFE	N30-DFE	N30-DFE	N30-DFE
Date:		10-FEB-2004	12-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
Sample ID:	MDL Units	P246852	P244372	P253915	P264325	P271567
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	NA	ND	58	ND	52
Antimony	23 UG/L	NA	ND	ND	ND	ND
Arsenic	.4 UG/L	NA	0.55	0.80	0.71	0.68
Barium	10 UG/L	NA	72	58	33	26
Beryllium	.39 UG/L	NA	ND	ND	ND	ND
Boron	15 UG/L	NA	361	438	389	372
Cadmium	1 UG/L	NA	ND	ND	0.4	0.3
Chromium	5 UG/L	NA	ND	ND	3	1
Cobalt	4 UG/L	NA	ND	ND	ND	ND
Copper	4 UG/L	NA	34	73	26	13
Iron	30 UG/L	NA	316	78	275	147
Lead	18 UG/L	NA	ND	ND	ND	ND
Manganese	4 UG/L	NA	35.10	137.00	661.00	183.00
Mercury	.09 UG/L	NA	ND	ND	ND	ND
Molybdenum	3 UG/L	NA	ND	5	13	11
Nickel	14 UG/L	NA	ND	ND	14	9
Selenium	.28 UG/L	NA	0.79	0.72	0.60	0.63
Silver	6.6 UG/L	NA	ND	ND	ND	ND
Thallium	40 UG/L	NA	ND	ND	ND	ND
Vanadium	7 UG/L	NA	ND	ND	1	1
Zinc	4 UG/L	NA	75	43	24	16
Bromide	.1 MG/L	NA	ND	ND	ND	ND
Chloride	7 MG/L	NA	285	292	299	295
Fluoride	.05 MG/L	NA	0.41	0.50	0.43	0.43
Nitrate	.04 MG/L	NA	NA	46.60	53.70	56.20
Ortho Phosphate	.2 MG/L	NA	NA	4.41	3.43	7.58
Sulfate	9 MG/L	NA	250	236	238	226
Calcium	.08 MG/L	NA	86	76	74	78
Lithium	.01 MG/L	NA	0.05	0.04	0.04	0.03
Magnesium	.02 MG/L	NA	38	36	35	34
Potassium	2 MG/L	NA	16	13	17	16
Sodium	.3 MG/L	NA	209	218	235	211
Calcium Hardness	.2 MG/L	NA	214	191	180	193
Magnesium Hardness	.08 MG/L	NA	156	149	144	138
Total Hardness	.22 MG/L	NA	370	339	325	332
Cyanides, Total	.002 MG/L	NA	0.012	ND	0.009	0.010
Sulfides-Total	.18 MG/L	NA	ND	ND	0.73	0.45
Total Kjeldahl Nitrogen	1.6 MG/L	2.8	NA	ND	2.3	ND

ND= Not Detected  
 NA= Not Analyzed  
 NS= Not Sampled  
 NR= Not Required



North City Water Reclamation Plant  
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2004

Source:		N10-EFF	N10-EFF	N10-EFF	N10-EFF	N01-PS_INF
Date:		10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004
Sample ID:	MDL Units	P244367	P253910	P264320	P271562	P244357
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	579	620	501	709	1350
Antimony	23 UG/L	28	ND	2	ND	ND
Arsenic	.4 UG/L	0.82	0.82	0.49	1.68	0.79
Barium	10 UG/L	105	88	68	74	119
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	184	397	356	336	309
Cadmium	1 UG/L	ND	ND	0.4	0.3	1.2
Chromium	5 UG/L	ND	ND	5	2	8
Cobalt	4 UG/L	ND	ND	ND	ND	ND
Copper	4 UG/L	90	139	89	67	111
Iron	30 UG/L	369	441	2530	3120	871
Lead	18 UG/L	ND	ND	2	2	ND
Manganese	4 UG/L	199.00	208.00	195.00	223.00	231.00
Mercury	.09 UG/L	ND	ND	ND	ND	0.53
Molybdenum	3 UG/L	5	14	15	12	ND
Nickel	14 UG/L	ND	ND	11	9	ND
Selenium	.28 UG/L	1.38	1.22	0.90	2.06	1.64
Silver	6.6 UG/L	ND	ND	1.7	2.2	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	ND	2	2	ND
Zinc	4 UG/L	60	65	46	56	108
Bromide	.1 MG/L	0.35	0.58	0.57	0.80	0.40
Chloride	7 MG/L	279	275	258	267	301
Fluoride	.05 MG/L	0.42	0.46	0.41	0.40	0.40
Nitrate	.04 MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2 MG/L	8.59	7.47	5.09	8.06	9.21
Sulfate	9 MG/L	247	234	221	223	247
Calcium	.08 MG/L	91	95	77	81	92
Lithium	.01 MG/L	0.05	0.03	0.03	0.03	0.06
Magnesium	.02 MG/L	41	40	36	36	41
Potassium	2 MG/L	16	15	17	17	16
Sodium	.3 MG/L	208	203	213	196	224
Calcium Hardness	.2 MG/L	225	237	196	203	227
Magnesium Hardness	.08 MG/L	167	163	148	146	169
Total Hardness	.22 MG/L	392	400	344	349	397
Cyanides, Total	.002 MG/L	ND	ND	ND	ND	0.002
Sulfides-Total	.18 MG/L	0.84	0.54	0.87	0.81	1.65
Total Kjeldahl Nitrogen	1.6 MG/L	78.3	39.9	39.3	38.5	96.6

ND= Not Detected  
 NA= Not Analyzed  
 NS= Not Sampled  
 NR= Not Required

North City Water Reclamation Plant  
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2004

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
Date:		11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
Sample ID:	MDL Units	P253900	P264310	P271552	P244362	P253905
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	1120	1420	1520	2690	1620
Antimony	23 UG/L	23	5	ND	ND	ND
Arsenic	.4 UG/L	0.86	1.39	1.08	1.56	0.71
Barium	10 UG/L	99	115	137	139	184
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	387	376	321	359	392
Cadmium	1 UG/L	ND	1.1	0.5	ND	1.1
Chromium	5 UG/L	ND	7	4	7	ND
Cobalt	4 UG/L	8	ND	1	ND	ND
Copper	4 UG/L	159	317	146	147	118
Iron	30 UG/L	716	2450	1500	897	498
Lead	18 UG/L	ND	14	3	ND	ND
Manganese	4 UG/L	204.00	240.00	203.00	126.00	91.40
Mercury	.09 UG/L	0.29	0.20	0.26	0.25	0.13
Molybdenum	3 UG/L	13	20	16	5	9
Nickel	14 UG/L	ND	13	11	ND	ND
Selenium	.28 UG/L	1.28	1.33	1.11	1.98	0.99
Silver	6.6 UG/L	ND	2.5	4.9	ND	ND
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	ND	2	2	ND	ND
Zinc	4 UG/L	107	291	145	120	107
Bromide	.1 MG/L	0.70	0.67	0.92	0.23	0.37
Chloride	7 MG/L	302	280	292	200	187
Fluoride	.05 MG/L	0.33	0.39	0.32	0.40	0.32
Nitrate	.04 MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2 MG/L	9.68	7.23	16.80	8.43	10.20
Sulfate	9 MG/L	230	229	215	228	199
Calcium	.08 MG/L	85	83	88	89	69
Lithium	.01 MG/L	0.03	0.04	0.03	0.04	0.01
Magnesium	.02 MG/L	40	39	38	37	33
Potassium	2 MG/L	16	18	18	18	15
Sodium	.3 MG/L	204	228	208	175	153
Calcium Hardness	.2 MG/L	211	222	221	220	171
Magnesium Hardness	.08 MG/L	162	159	154	151	134
Total Hardness	.22 MG/L	374	381	375	370	305
Cyanides, Total	.002 MG/L	0.002	ND	ND	ND	0.002
Sulfides-Total	.18 MG/L	1.06	1.65	1.61	1.34	0.58
Total Kjeldahl Nitrogen	1.6 MG/L	48.6	51.5	47.1	85.6	41.4

ND= Not Detected  
 NA= Not Analyzed  
 NS= Not Sampled  
 NR= Not Required

North City Water Reclamation Plant  
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2004

Source:		N01-PEN	N01-PEN	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:		10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004
Sample ID:	MDL Units	P264315	P271557	P244377	P253920	P264330
=====	=====	=====	=====	=====	=====	=====
Aluminum	50 UG/L	2070	2100	ND	ND	ND
Antimony	23 UG/L	2	ND	ND	33	2
Arsenic	.4 UG/L	0.77	1.57	ND	0.80	ND
Barium	10 UG/L	90	122	48	43	20
Beryllium	.39 UG/L	ND	ND	ND	ND	ND
Boron	15 UG/L	360	311	382	420	381
Cadmium	1 UG/L	0.5	0.4	ND	ND	0.4
Chromium	5 UG/L	8	8	6	ND	6
Cobalt	4 UG/L	<0	1	ND	ND	ND
Copper	4 UG/L	110	105	25	82	47
Iron	30 UG/L	12500	15600	117	75	175
Lead	18 UG/L	4	6	ND	ND	ND
Manganese	4 UG/L	203.00	224.00	21.10	72.10	114.00
Mercury	.09 UG/L	0.16	0.10	ND	ND	ND
Molybdenum	3 UG/L	11	12	ND	5	10
Nickel	14 UG/L	16	12	ND	ND	11
Selenium	.28 UG/L	1.03	0.87	0.65	0.59	0.52
Silver	6.6 UG/L	5.5	5.7	ND	ND	0.2
Thallium	40 UG/L	ND	ND	ND	ND	ND
Vanadium	7 UG/L	4	6	ND	ND	1
Zinc	4 UG/L	113	121	40	44	16
Bromide	.1 MG/L	0.41	7.10	ND	ND	ND
Chloride	7 MG/L	203	201	229	215	231
Fluoride	.05 MG/L	0.66	0.36	0.41	0.36	0.43
Nitrate	.04 MG/L	4.04	ND	38.80	34.90	42.40
Ortho Phosphate	.2 MG/L	0.96	2.53	6.31	5.66	3.12
Sulfate	9 MG/L	207	209	199	189	194
Calcium	.08 MG/L	71	77	66	57	55
Lithium	.01 MG/L	0.03	0.03	0.04	0.05	0.03
Magnesium	.02 MG/L	32	32	30	27	26
Potassium	2 MG/L	19	18	11	13	14
Sodium	.3 MG/L	170	163	190	177	198
Calcium Hardness	.2 MG/L	181	192	164	142	139
Magnesium Hardness	.08 MG/L	131	131	122	112	108
Total Hardness	.22 MG/L	312	323	285	254	247
Cyanides, Total	.002 MG/L	0.002	ND	0.009	0.004	0.011
Sulfides-Total	.18 MG/L	3.44	5.10	ND	ND	0.30
Total Kjeldahl Nitrogen	1.6 MG/L	41.3	46.4	ND	ND	2.4

ND= Not Detected  
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 NR= Not Required

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Source:	N34-REC WATER	
Date:	05-OCT-2004	
Sample ID:	MDL	Units
-----	-----	-----
Aluminum	50	UG/L 97
Antimony	23	UG/L ND
Arsenic	.4	UG/L 0.79
Barium	10	UG/L 22
Beryllium	.39	UG/L ND
Boron	15	UG/L 368
Cadmium	1	UG/L 0.2
Chromium	5	UG/L 1
Cobalt	4	UG/L ND
Copper	4	UG/L 10
Iron	30	UG/L 124
Lead	18	UG/L ND
Manganese	4	UG/L 152.00
Mercury	.09	UG/L ND
Molybdenum	3	UG/L 9
Nickel	14	UG/L 8
Selenium	.28	UG/L 0.81
Silver	6.6	UG/L ND
Thallium	40	UG/L ND
Vanadium	7	UG/L 1
Zinc	4	UG/L 15
Bromide	.1	MG/L ND
Chloride	7	MG/L 241
Fluoride	.05	MG/L 0.40
Nitrate	.04	MG/L 46.30
Ortho Phosphate	.2	MG/L 6.43
Sulfate	9	MG/L 190
Calcium	.08	MG/L 63
Lithium	.01	MG/L 0.03
Magnesium	.02	MG/L 27
Potassium	2	MG/L 13
Sodium	.3	MG/L 183
Calcium Hardness	.2	MG/L 157
Magnesium Hardness	.08	MG/L 110
Total Hardness	.22	MG/L 267
Cyanides, Total	.002	MG/L 0.008
Sulfides-Total	.18	MG/L ND
Total Kjeldahl Nitrogen	1.6	MG/L ND

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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N30-DFE	12-FEB-2004	P244372	1.0 ± 0.8	13.6 ± 3.9
N30-DFE	11-MAY-2004	P253915	1.2 ± 0.8	13.8 ± 3.8
N30-DFE	10-AUG-2004	P264325	0.9 ± 0.7	15.8 ± 3.5
N30-DFE	05-OCT-2004	P271567	0.9 ± 0.7	14.4 ± 3.6
N10-EFF	10-FEB-2004	P244367	4.7 ± 2.3	10.6 ± 3.9
N10-EFF	11-MAY-2004	P253910	2.7 ± 1.9	5.7 ± 3.5
N10-EFF	10-AUG-2004	P264320	2.3 ± 1.6	14.5 ± 3.4
N10-EFF	05-OCT-2004	P271562	3.4 ± 1.2	17.3 ± 4.1
N01-PS_INF	10-FEB-2004	P244357	1.9 ± 1.7	14.0 ± 4.0
N01-PS_INF	11-MAY-2004	P253900	2.7 ± 1.9	16.5 ± 4.7
N01-PS_INF	10-AUG-2004	P264310	3.2 ± 1.3	10.0 ± 4.3
N01-PS_INF	05-OCT-2004	P271552	3.5 ± 1.4	17.6 ± 4.2
N01-PEN	10-FEB-2004	P244362	3.3 ± 2.0	15.6 ± 4.3
N01-PEN	11-MAY-2004	P253905	5.7 ± 2.4	12.4 ± 4.2
N01-PEN	10-AUG-2004	P264315	2.0 ± 1.3	18.1 ± 3.8
N01-PEN	05-OCT-2004	P271557	5.9 ± 1.8	18.5 ± 4.0
N34-REC WATER	10-FEB-2004	P244377	0.2 ± 0.7	9.3 ± 2.5
N34-REC WATER	11-MAY-2004	P253920	1.4 ± 0.8	10.8 ± 3.0
N34-REC WATER	10-AUG-2004	P264330	0.4 ± 0.7	10.2 ± 2.8
N34-REC WATER	05-OCT-2004	P271572	0.7 ± 0.7	10.5 ± 2.9

Units in picocuries per Liter (pCi/L)

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Physical Parameters

Analytes	MDL	Units	N01-PS_INF 10-FEB-2004	N01-PS_INF 11-FEB-2004	N01-PS_INF 11-MAY-2004	N01-PS_INF 12-MAY-2004
Ammonia-N	.2	MG/L	33.2	NR	36.8	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	206.0	NR	230.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	480	NR	194	NR
Conductivity	10	UMHOS/CM	1900	NR	2020	NR
MBAS (Surfactants)	.03	MG/L	9.2	NR	10.4	NR
pH (grab)		PH	NR	7.4	NR	7.6
pH (composite)		PH	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	274	NR	276	NR
Total Dissolved Solids	42	MG/L	1110	NR	1130	NR
Total Suspended Solids	1.6	MG/L	212.0	NR	192.0	NR
Volatile Suspended Solids	1.6	MG/L	172.0	NR	174.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	96.6	NR	48.6	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	110.0	NR	130.0	NR

Analytes	MDL	Units	N01-PS_INF 10-AUG-2004	N01-PS_INF 11-AUG-2004	N01-PS_INF 05-OCT-2004	N01-PS_INF 06-OCT-2004
Ammonia-N	.2	MG/L	26.9	NR	33.4	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	193.0	NR	206.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	NR	NR	183	NR
Conductivity	10	UMHOS/CM	1880	NR	1990	NR
MBAS (Surfactants)	.03	MG/L	8.1	NR	8.1	NR
pH (grab)		PH	NR	7.4	NR	7.4
pH (composite)		PH	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	255	NR	282	NR
Total Dissolved Solids	42	MG/L	1110	NR	1140	NR
Total Suspended Solids	1.6	MG/L	232.0	NR	202.0	NR
Volatile Suspended Solids	1.6	MG/L	204.0	NR	182.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	51.5	NR	47.1	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	140.0	NR	110.0	NR

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Physical Parameters

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
		10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2 MG/L	31.3	NR	29.7	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	212.0	NR	230.0	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	570	NR	170	NR
Conductivity	10 UMHOS/CM	1680	NR	1610	NR
MBAS (Surfactants)	.03 MG/L	7.4	NR	9.9	NR
pH (grab)	PH	NR	7.3	NR	7.4
pH (composite)	PH	7.6	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	303	NR	285	NR
Total Dissolved Solids	42 MG/L	948	NR	884	NR
Total Suspended Solids	1.6 MG/L	238.0	NR	218.0	NR
Volatile Suspended Solids	1.6 MG/L	190.0	NR	190.0	NR
Total Kjeldahl Nitrogen	1.6 MG/L	85.6	NR	41.4	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Turbidity	NTU	140.0	NR	140.0	NR

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
		10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2 MG/L	26.4	NR	33.2	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	201.0	NR	240.0	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	NR	NR	168	NR
Conductivity	10 UMHOS/CM	1570	NR	1650	NR
MBAS (Surfactants)	.03 MG/L	5.7	NR	6.3	NR
pH (grab)	PH	NR	7.2	NR	7.2
pH (composite)	PH	7.4	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	241	NR	266	NR
Total Dissolved Solids	42 MG/L	904	NR	860	NR
Total Suspended Solids	1.6 MG/L	260.0	NR	288.0	NR
Volatile Suspended Solids	1.6 MG/L	216.0	NR	232.0	NR
Total Kjeldahl Nitrogen	1.6 MG/L	41.3	NR	46.4	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Turbidity	NTU	150.0	NR	130.0	NR

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Physical Parameters

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2	MG/L	31.8	NR	32.0	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	137.0	NR	129.0	NR
BOD (Soluble)	2	MG/L	NR	NR	87.6	NR
Chemical Oxygen Demand	22	MG/L	280	NR	222	NR
Conductivity	10	UMHOS/CM	1940	NR	1930	NR
MBAS (Surfactants)	.03	MG/L	7.0	NR	9.1	NR
pH (grab)		PH	NR	7.4	NR	7.5
pH (composite)		PH	7.7	NR	7.7	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	281	NR	272	NR
Total Dissolved Solids	42	MG/L	1040	NR	1140	NR
Total Suspended Solids	1.6	MG/L	83.0	NR	74.0	NR
Volatile Suspended Solids	1.6	MG/L	66.0	NR	63.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	78.3	NR	39.9	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	66.0	NR	74.0	NR

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2	MG/L	26.8	NR	28.8	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	109.0	NR	124.0	NR
BOD (Soluble)	2	MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22	MG/L	NR	NR	132	NR
Conductivity	10	UMHOS/CM	1810	NR	1850	NR
MBAS (Surfactants)	.03	MG/L	6.9	NR	7.7	NR
pH (grab)		PH	NR	7.4	NR	7.4
pH (composite)		PH	7.5	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	253	NR	254	NR
Total Dissolved Solids	42	MG/L	988	NR	1100	NR
Total Suspended Solids	1.6	MG/L	89.0	NR	92.0	NR
Volatile Suspended Solids	1.6	MG/L	74.0	NR	68.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	39.3	NR	38.5	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	67.0	NR	75.0	NR

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Physical Parameters

Analytes	MDL Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
		10-FEB-2004	11-FEB-2004	12-FEB-2004	11-MAY-2004
Ammonia-N	.2 MG/L	ND	NR	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	2.9	NR	NR	ND
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	ND	NR	NR	ND
Conductivity	10 UMHOS/CM	1770	NR	NR	1780
MBAS (Surfactants)	.03 MG/L	0.1	NR	NR	0.1
pH (grab)	PH	NR	7.3	NR	NR
pH (composite)	PH	7.5	NR	NR	7.6
Total Alkalinity (bicarbonate)	1.5 MG/L	145	NR	NR	157
Total Dissolved Solids	42 MG/L	1090	NR	NR	1170
Total Suspended Solids	1.6 MG/L	ND	NR	NR	ND
Volatile Suspended Solids	1.6 MG/L	ND	NR	NR	ND
Total Kjeldahl Nitrogen	1.6 MG/L	2.8	NR	NR	ND
Total Organic Carbon	MG/L	NS*	NR	7.6*	8.1
Turbidity	NTU	0.5	NR	NR	1.6

Analytes	MDL Units	N30-DFE	N30-DFE	N30-DFE	N30-DFE
		12-MAY-2004	10-AUG-2004	11-AUG-2004	05-OCT-2004
Ammonia-N	.2 MG/L	NR	ND	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	NR	ND	NR	ND
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	NR	NR	NR	24
Conductivity	10 UMHOS/CM	NR	1760	NR	1790
MBAS (Surfactants)	.03 MG/L	NR	0.1	NR	0.2
pH (grab)	PH	7.4	NR	7.0	NR
pH (composite)	PH	NR	7.5	NR	7.5
Total Alkalinity (bicarbonate)	1.5 MG/L	NR	123	NR	131
Total Dissolved Solids	42 MG/L	NR	1220	NR	1190
Total Suspended Solids	1.6 MG/L	NR	2.3	NR	ND
Volatile Suspended Solids	1.6 MG/L	NR	1.8	NR	ND
Total Kjeldahl Nitrogen	1.6 MG/L	NR	2.3	NR	ND
Total Organic Carbon	MG/L	NR	8.9	NR	7.7
Turbidity	NTU	NR	NR	NR	NR

Analytes	MDL Units	N30-DFE
		06-OCT-2004
Ammonia-N	.2 MG/L	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	NR
BOD (Soluble)	2 MG/L	NR
Chemical Oxygen Demand	22 MG/L	NR
Conductivity	10 UMHOS/CM	NR
MBAS (Surfactants)	.03 MG/L	NR
pH (grab)	PH	7.2
pH (composite)	PH	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	NR
Total Dissolved Solids	42 MG/L	NR
Total Suspended Solids	1.6 MG/L	NR
Volatile Suspended Solids	1.6 MG/L	NR
Total Kjeldahl Nitrogen	1.6 MG/L	NR
Total Organic Carbon	MG/L	NR
Turbidity	NTU	NR

\*=Pickle jar broke on 02/11/04. Not enough volume for metals, organics and TOC. Re-sampled on 02/12/04.

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Physical Parameters

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		10-FEB-2004	11-FEB-2004	11-MAY-2004	12-MAY-2004
Ammonia-N	.2 MG/L	ND	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	ND	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	ND	NR	ND	NR
Conductivity	10 UMHOS/CM	1440	NR	1400	NR
MBAS (Surfactants)	.03 MG/L	0.1	NR	0.2	NR
pH (grab)	PH	NR	7.2	NR	7.3
pH (composite)	PH	7.6	NR	7.6	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	129	NR	118	NR
Total Dissolved Solids	42 MG/L	888	NR	932	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	ND	NR	ND	NR
Total Organic Carbon	MG/L	NR	NR	8.1	NR
Turbidity	NTU	0.8	NR	2.9	NR

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		10-AUG-2004	11-AUG-2004	05-OCT-2004	06-OCT-2004
Ammonia-N	.2 MG/L	0.3	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	ND	NR
BOD (Soluble)	2 MG/L	NR	NR	NR	NR
Chemical Oxygen Demand	22 MG/L	NR	NR	ND	NR
Conductivity	10 UMHOS/CM	1420	NR	1520	NR
MBAS (Surfactants)	.03 MG/L	0.2	NR	0.3	NR
pH (grab)	PH	NR	7.1	NR	7.2
pH (composite)	PH	7.6	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	104	NR	111	NR
Total Dissolved Solids	42 MG/L	1020	NR	1020	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	2.4	NR	ND	NR
Total Organic Carbon	MG/L	8.5	NR	7.7	NR
Turbidity	NTU	NR	NR	NR	NR

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Ions

Analytes	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004
=====	=====	=====	=====	=====	=====	=====	=====
Bromide	.1	MG/L	0.40	0.70	0.67	0.92	0.23
Fluoride	.05	MG/L	0.4	0.3	0.4	0.3	0.4
Chloride	7	MG/L	301.00	302.00	280.00	292.00	200.00
Sulfides-Total	.18	MG/L	1.65	1.06	1.65	1.61	1.34
Cyanides, Total	.002	MG/L	0.0020	0.0024	ND	ND	ND
Nitrate	.04	MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2	MG/L	9.21	9.68	7.23	16.80	8.43
Sulfate	9	MG/L	247.0	230.0	229.0	215.0	228.0
Ammonia-N	.2	MG/L	33.2	36.8	26.9	33.4	31.3
Calcium	.08	MG/L	91.60	84.60	82.90	88.40	88.60
Lithium	.01	MG/L	0.06	0.03	0.04	0.03	0.04
Magnesium	.02	MG/L	41.10	39.50	38.50	37.50	36.60
Potassium	2	MG/L	16	16	18	18	18
Sodium	.3	MG/L	224.0	204.0	228.0	208.0	175.0
Calcium Hardness	.2	MG/L	227	211	222	221	220
Magnesium Hardness	.08	MG/L	169	162	159	154	151
Total Hardness	.22	MG/L	397	374	381	375	370

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
=====	=====	=====	=====	=====	=====	=====	=====
Bromide	.1	MG/L	0.37	0.41	7.10	0.35	0.58
Fluoride	.05	MG/L	0.3	0.7	0.4	0.4	0.5
Chloride	7	MG/L	187.00	203.00	201.00	279.00	275.00
Sulfides-Total	.18	MG/L	0.58	3.44	5.10	0.84	0.54
Cyanides, Total	.002	MG/L	0.0022	0.0020	ND	ND	ND
Nitrate	.04	MG/L	ND	4.04	ND	ND	ND
Ortho Phosphate	.2	MG/L	10.20	0.96	2.53	8.59	7.47
Sulfate	9	MG/L	199.0	207.0	209.0	247.0	234.0
Ammonia-N	.2	MG/L	29.7	26.4	33.2	31.8	32.0
Calcium	.08	MG/L	68.60	70.70	77.10	90.70	95.00
Lithium	.01	MG/L	0.01	0.03	0.03	0.05	0.03
Magnesium	.02	MG/L	32.60	31.80	31.70	40.70	39.50
Potassium	2	MG/L	15	19	18	16	15
Sodium	.3	MG/L	153.0	170.0	163.0	208.0	203.0
Calcium Hardness	.2	MG/L	171	181	192	225	237
Magnesium Hardness	.08	MG/L	134	131	131	167	163
Total Hardness	.22	MG/L	305	312	323	392	400

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Ions

Analytes	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			10-AUG-2004	05-OCT-2004	10-FEB-2004	12-FEB-2004	11-MAY-2004
Bromide	.1	MG/L	0.57	0.80	NR	ND	ND
Fluoride	.05	MG/L	0.4	0.4	NR	0.4	0.5
Chloride	7	MG/L	258.00	267.00	NR	285.00	292.00
Sulfides-Total	.18	MG/L	0.87	0.81	NR	ND	ND
Cyanides, Total	.002	MG/L	ND	ND	NR	0.0121	ND
Nitrate	.04	MG/L	ND	ND	NR	NR	46.60
Ortho Phosphate	.2	MG/L	5.09	8.06	NR	NR	4.41
Sulfate	9	MG/L	221.0	223.0	NR	250.0	236.0
Ammonia-N	.2	MG/L	26.8	28.8	ND	NR	ND
Calcium	.08	MG/L	76.50	81.30	NR	86.40	76.40
Lithium	.01	MG/L	0.03	0.03	NR	0.05	0.04
Magnesium	.02	MG/L	36.00	35.50	NR	37.80	36.10
Potassium	2	MG/L	17	17	NR	16	13
Sodium	.3	MG/L	213.0	196.0	NR	209.0	218.0
Calcium Hardness	.2	MG/L	196	203	NR	214	191
Magnesium Hardness	.08	MG/L	148	146	NR	156	149
Total Hardness	.22	MG/L	344	349	NR	370	339
Adjusted Sodium Adsorption		MG/L	NR	NR	NR	5.0	5.6
Percent Sodium		PERCENT	NR	NR	NR	56	57

Analytes	MDL	Units	N30-DFE	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER
			10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004
Bromide	.1	MG/L	ND	ND	ND	ND	ND
Fluoride	.05	MG/L	0.4	0.4	0.4	0.4	0.4
Chloride	7	MG/L	299.00	295.00	229.00	215.00	231.00
Sulfides-Total	.18	MG/L	0.73	0.45	ND	ND	0.30
Cyanides, Total	.002	MG/L	0.0086	0.0100	0.0086	0.0044	0.0108
Nitrate	.04	MG/L	53.70	56.20	38.80	34.90	42.40
Ortho Phosphate	.2	MG/L	3.43	7.58	6.31	5.66	3.12
Sulfate	9	MG/L	238.0	226.0	199.0	189.0	194.0
Ammonia-N	.2	MG/L	ND	ND	ND	ND	0.3
Calcium	.08	MG/L	73.60	77.50	66.00	57.00	55.40
Lithium	.01	MG/L	0.04	0.03	0.04	0.05	0.03
Magnesium	.02	MG/L	35.10	33.60	29.50	27.30	26.20
Potassium	2	MG/L	17	16	11	13	14
Sodium	.3	MG/L	235.0	211.0	190.0	177.0	198.0
Calcium Hardness	.2	MG/L	180	193	164	142	139
Magnesium Hardness	.08	MG/L	144	138	122	112	108
Total Hardness	.22	MG/L	325	332	285	254	247
Adjusted Sodium Adsorption		MG/L	5.7	5.2	5.2	4.9	5.2
Percent Sodium		PERCENT	59	57	60	59	62

ND= Not Detected  
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NR= Not Required

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Ions

Analytes	MDL Units	N34-REC WATER 05-OCT-2004	
=====		====	=====
Bromide	.1 MG/L		ND
Fluoride	.05 MG/L		0.4
Chloride	7 MG/L		241.00
Sulfides-Total	.18 MG/L		ND
Cyanides, Total	.002 MG/L		0.0083
Nitrate	.04 MG/L		46.30
Ortho Phosphate	.2 MG/L		6.43
Sulfate	9 MG/L		190.0
Ammonia-N	.2 MG/L		ND
Calcium	.08 MG/L		62.90
Lithium	.01 MG/L		0.03
Magnesium	.02 MG/L		26.80
Potassium	2 MG/L		13
Sodium	.3 MG/L		183.0
Calcium Hardness	.2 MG/L		157
Magnesium Hardness	.08 MG/L		110
Total Hardness	.22 MG/L		267
Adjusted Sodium Adsorption	MG/L		4.7
Percent Sodium	PERCENT		58

ND= Not Detected  
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Organo-Tins

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004
			P244357	P253900	P264310	P271552	P244362
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
			P253905	P264315	P271557	P244367	P253910
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			10-AUG-2004	05-OCT-2004	12-FEB-2004	11-MAY-2004	10-AUG-2004
			P264320	P271562	P244372	P253915	P264325
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
			P271567	P244377	P253920	P264330	P271572
Tributyl tin	.75	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	.75	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	4	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	10-FEB-2004 P244362
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	30	12	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	320	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	30	12	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	350	12	0

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			11-MAY-2004 P253905	10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	35	21	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	35	21	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	35	21	0	0

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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N30-DFE	N30-DFE	N30-DFE
			10-AUG-2004 P264320	05-OCT-2004 P271562	12-FEB-2004 P244372	11-MAY-2004 P253915	10-AUG-2004 P264325
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	13	ND	ND	17	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	49
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	49
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	13	0	0	17	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	13	0	0	17	49

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ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N30-DFE	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			05-OCT-2004 P271567	10-FEB-2004 P244377	11-MAY-2004 P253920	10-AUG-2004 P264330	05-OCT-2004 P271572
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0	0

NA= Not Analyzed  
ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	12-FEB-2004 P244372
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether		UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	16.3	36.0	13.9	ND	40.5
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	16.3	36.0	13.9	0.0	40.5

Additional Analytes Determined

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	12-FEB-2004 P244372
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed      ND= Not Detected      NR= Not Required

North City Water Reclamation Plant  
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Base/Neutral Compounds

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			11-MAY-2004 P253915	10-AUG-2004 P264325	05-OCT-2004 P271567	10-FEB-2004 P244362	11-MAY-2004 P253905
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	16.4	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	0.0	16.4	0.0

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed      ND= Not Detected      NR= Not Required

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910	10-AUG-2004 P264320
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	16.1
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	11.3	11.6	ND	ND	ND
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	11.3	11.6	0.0	0.0	16.1

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed      ND= Not Detected      NR= Not Required

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Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF	N34-REC WAT	N34-REC WAT	N34-REC WAT	N34-REC WAT
			05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
			P271562	P244377	P253920	P264330	P271572
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	11.0	ND	ND	50.4	10.8
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	11.0	0.0	0.0	50.4	10.8

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N30-DFE	N01-PEN	N10-EFF	N34-REC WAT
		05-OCT-2004 P271552	05-OCT-2004 P271567	05-OCT-2004 P271557	05-OCT-2004 P271562	05-OCT-2004 P271572
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	0.080	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.000	0.000	0.080	0.000	0.000
Demeton -O, -S	.15 UG/L	0.000	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.3 UG/L	0.000	0.000	0.080	0.000	0.000

Additional analytes determined

Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND

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ND= Not Detected  
NR= Not Required

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
Date:	MDL Units	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004	12-FEB-2004
		P244357	P253900	P264310	P271552	P244372
=====						
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
Date:	MDL Units	11-MAY-2004	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004
		P253915	P264325	P271567	P244362	P253905
=====						
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
Date:	MDL Units	10-AUG-2004	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004
		P264315	P271557	P244367	P253910	P264320
=====						
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

Source:		N10-EFF	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:	MDL Units	05-OCT-2004	10-FEB-2004	11-MAY-2004	10-AUG-2004	05-OCT-2004
		P271562	P244377	P253920	P264330	P271572
=====						
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed  
ND= Not Detected



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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			10-FEB-2004 P244357	11-MAY-2004 P253900	10-AUG-2004 P264310	05-OCT-2004 P271552	12-FEB-2004 P244372
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	21.30	21.40	14.40	19.70	ND
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	21.30	21.40	14.40	19.70	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	21.30	21.40	14.40	19.70	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	59.10	45.60	40.00	48.90	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N30-DFE	N30-DFE	N30-DFE	N01-PEN	N01-PEN
			11-MAY-2004 P253915	10-AUG-2004 P264325	05-OCT-2004 P271567	10-FEB-2004 P244362	11-MAY-2004 P253905
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	ND	10.30	8.80
=====							
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	10.30	8.80
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
=====							
Phenols	6.07	UG/L	0.00	0.00	0.00	10.30	8.80
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND	ND	34.80	17.80
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

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Phenolic Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF	N10-EFF
			10-AUG-2004 P264315	05-OCT-2004 P271557	10-FEB-2004 P244367	11-MAY-2004 P253910	10-AUG-2004 P264320
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	4.80	4.30	11.70	17.10	7.70
Total Non-Chlorinated Phenols	6.07	UG/L	4.80	4.30	11.70	17.10	7.70
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	4.80	4.30	11.70	17.10	7.70
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	8.40	10.70	42.30	25.50	11.60
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N34-REC WAT	N34-REC WAT	N34-REC WAT	N34-REC WAT
			05-OCT-2004 P271562	10-FEB-2004 P244377	11-MAY-2004 P253920	10-AUG-2004 P264330	05-OCT-2004 P271572
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND	ND
Phenol	2.53	UG/L	8.00	ND	ND	ND	ND
Total Non-Chlorinated Phenols	6.07	UG/L	8.00	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00	0.00
Phenols	6.07	UG/L	8.00	0.00	0.00	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	18.40	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND	ND

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N30-DFE
			11-FEB-2004 P244360	12-MAY-2004 P253903	11-AUG-2004 P264313	06-OCT-2004 P271555	12-MAY-2004 P253918
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	1.8	ND	2.2	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.3	4.2	5.1	3.0	73.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	67.7
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	38.1
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	*
Bromoform	1	UG/L	ND	ND	ND	ND	4.1
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.6	1.4	1.5	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	0.0	0.0	109.9
Purgeable Compounds	13.8	UG/L	4.9	7.4	6.6	5.2	183.8
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	204.0	1040.0	2290.0	986.0	ND
Carbon disulfide	1	UG/L	3.5	1.3	2.1	3.6	ND
2-butanone	4	UG/L	4.8	7.4	7.1	6.6	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	1.9	2.8	1.3	ND

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N30-DFE	N30-DFE	N01-PEN	N01-PEN	N01-PEN
			11-AUG-2004 P264328	06-OCT-2004 P271570	11-FEB-2004 P244365	12-MAY-2004 P253908	11-AUG-2004 P264318
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	5.3	*	1.5	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	40.1	45.2	5.0	3.2	2.9
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	34.0	45.4	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	1.1	ND	ND	ND	1.3
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	27.2	31.0	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	3.9	3.7	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	1.5	ND	1.8	4.7	5.4
Chlorobenzene	1	UG/L	1.1	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	1.4	ND	1.2
Ethylbenzene	1	UG/L	1.0	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	65.1	80.1	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	109.9	130.6	8.2	9.4	10.8
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	228.0	74.3	280.0
Carbon disulfide	1	UG/L	ND	ND	4.4	1.7	2.9
2-butanone	4	UG/L	ND	ND	4.3	7.1	9.2
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	2.3	ND	ND	1.6	2.6

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			06-OCT-2004 P271560	11-FEB-2004 P244370	11-AUG-2004 P264323	06-OCT-2004 P271565	11-FEB-2004 P244380
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.2	ND	ND	3.2	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	2.8	3.9	3.1	2.8	61.6
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	ND	ND	52.6
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	1.5	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	ND	ND	34.5
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	4.7
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	5.5	1.6	1.5	1.1	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	2.5	1.1	1.5	1.2	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	0.0	0.0	91.8
Purgeable Compounds	13.8	UG/L	13.5	6.6	6.1	8.3	153.4
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	217.0	171.0	1430.0	678.0	ND
Carbon disulfide	1	UG/L	2.0	4.0	4.2	4.1	ND
2-butanone	4	UG/L	8.1	7.8	8.8	10.6	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	1.3	1.1	2.0	1.0	1.6

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			12-MAY-2004	11-AUG-2004	06-OCT-2004
			P253923	P264333	P271575
=====	=====	=====	=====	=====	=====
Chloromethane	1	UG/L	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND
Methylene chloride	1	UG/L	1.1	ND	5.1
1,1-dichloroethene	1	UG/L	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND
Chloroform	1	UG/L	47.7	65.9	39.3
1,2-dichloroethane	1	UG/L	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND
Bromodichloromethane	1	UG/L	40.3	51.4	38.8
1,2-dichloropropane	1	UG/L	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND
Dibromochloromethane	1	UG/L	23.3	29.9	23.6
1,1,2-trichloroethane	1	UG/L	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND
Bromoform	1	UG/L	2.1	2.8	2.3
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND
=====	=====	=====	=====	=====	=====
Halomethane Purgeable Cmpnds	1	UG/L	65.7	84.1	64.7
=====	=====	=====	=====	=====	=====
Purgeable Compounds	13.8	UG/L	114.5	150.0	109.1
=====	=====	=====	=====	=====	=====
Allyl chloride	1	UG/L	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.					
=====	=====	=====	=====	=====	=====
Styrene	4.7	UG/L	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND
Carbon disulfide	1	UG/L	ND	ND	ND
2-butanone	4	UG/L	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	ND	ND

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